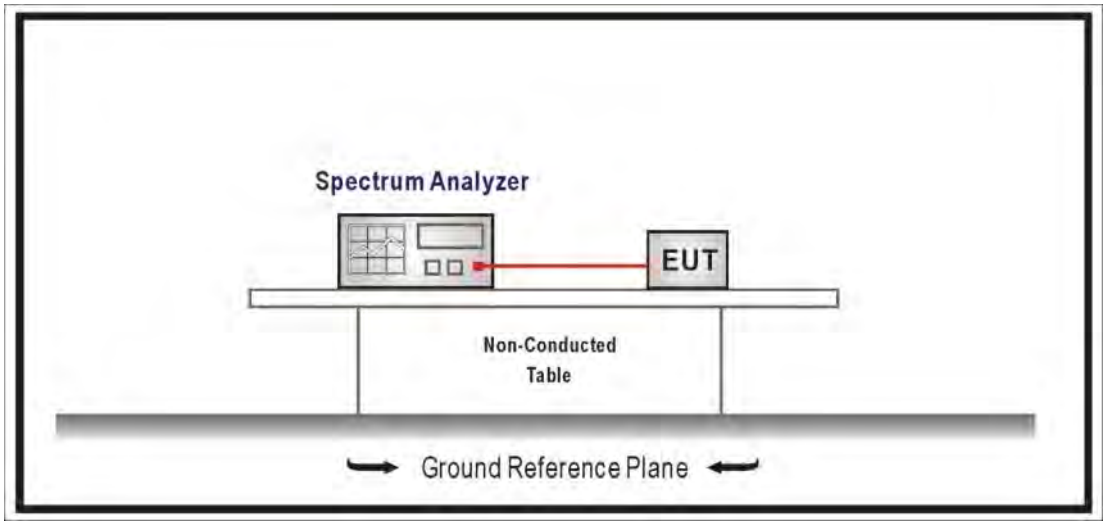
7. DTS Bandwidth

7.1. Test Setup



7.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested procedure section 8.1 of KDB558074 D01 V04 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW≧3xRBW, Sweep Time=Auto, Set Peak Detector.

7.3. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.4. Test Specification

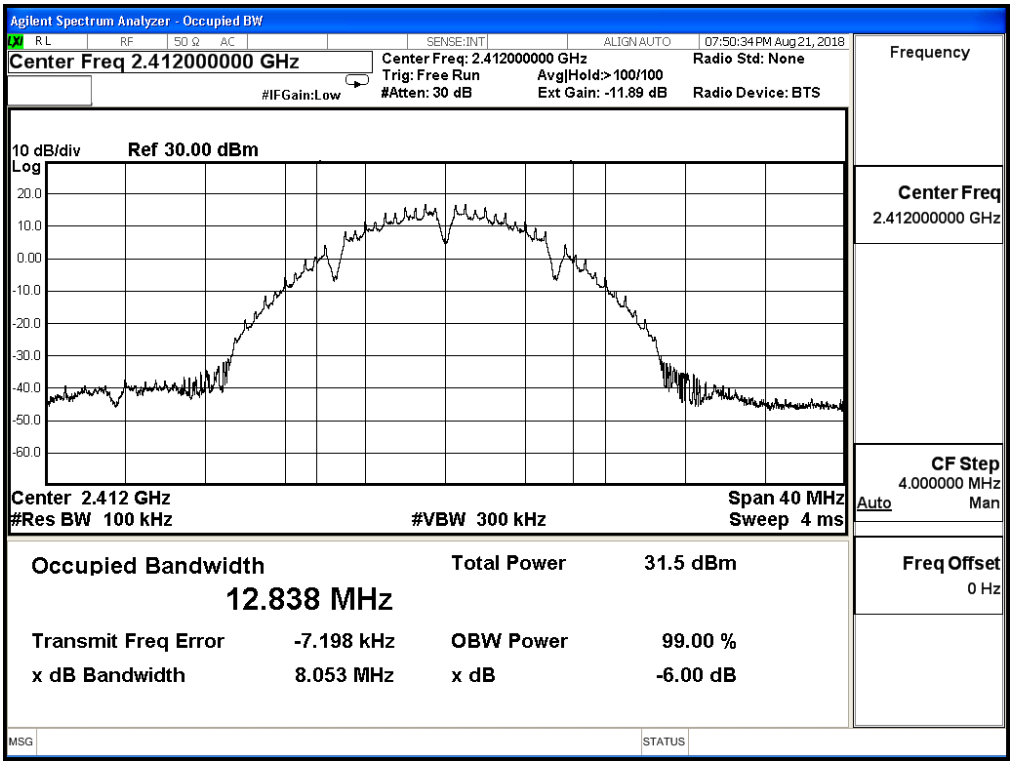
According to FCC Part 15 Subpart C Paragraph 15.247: 2017

7.5. Test Result

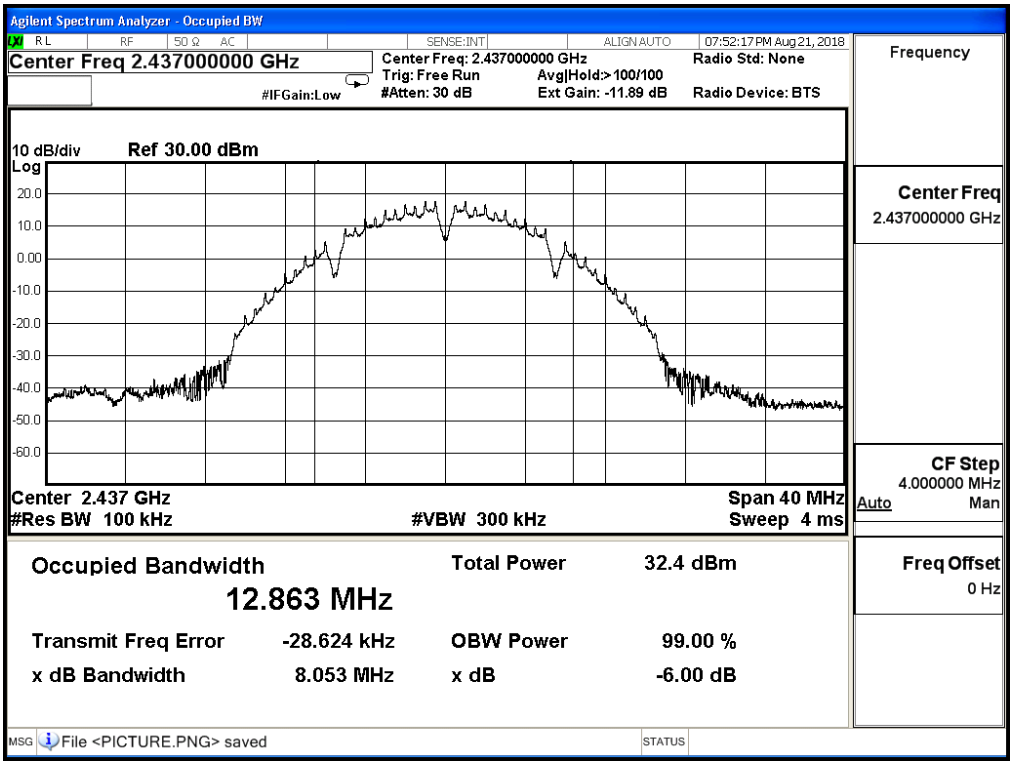
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.053	≧0.5	Pass
6	2437	8.053	≧0.5	Pass
11	2462	8.054	≧0.5	Pass

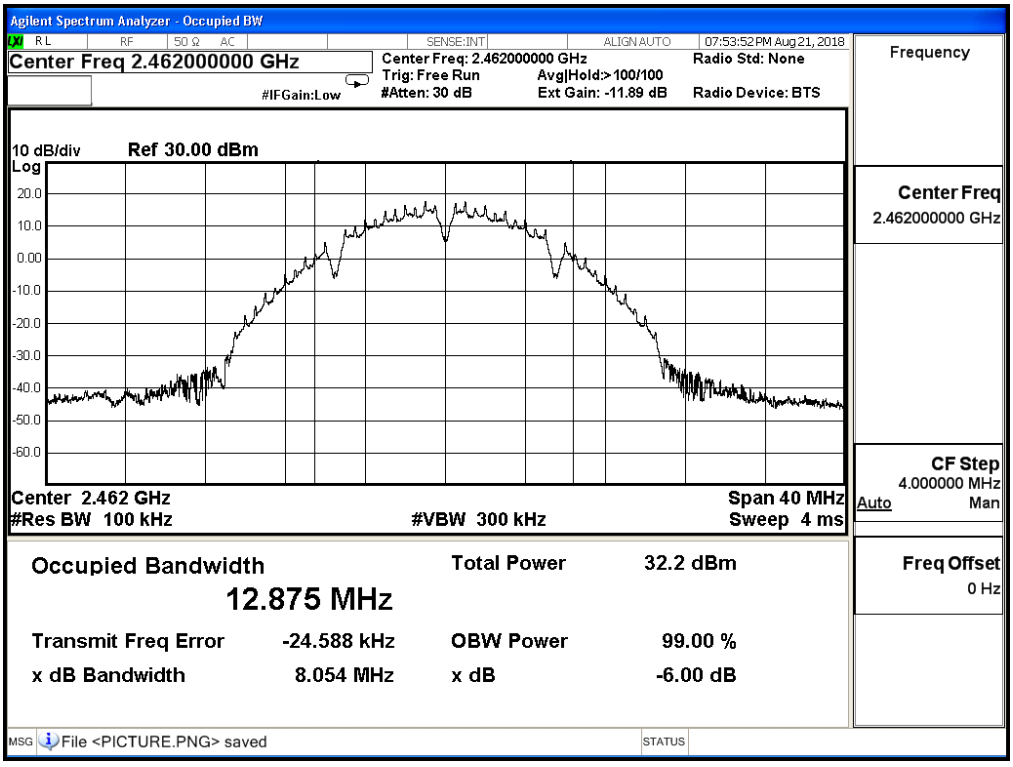
Channel 1 (2412MHz)



Channel 6 (2437MHz)



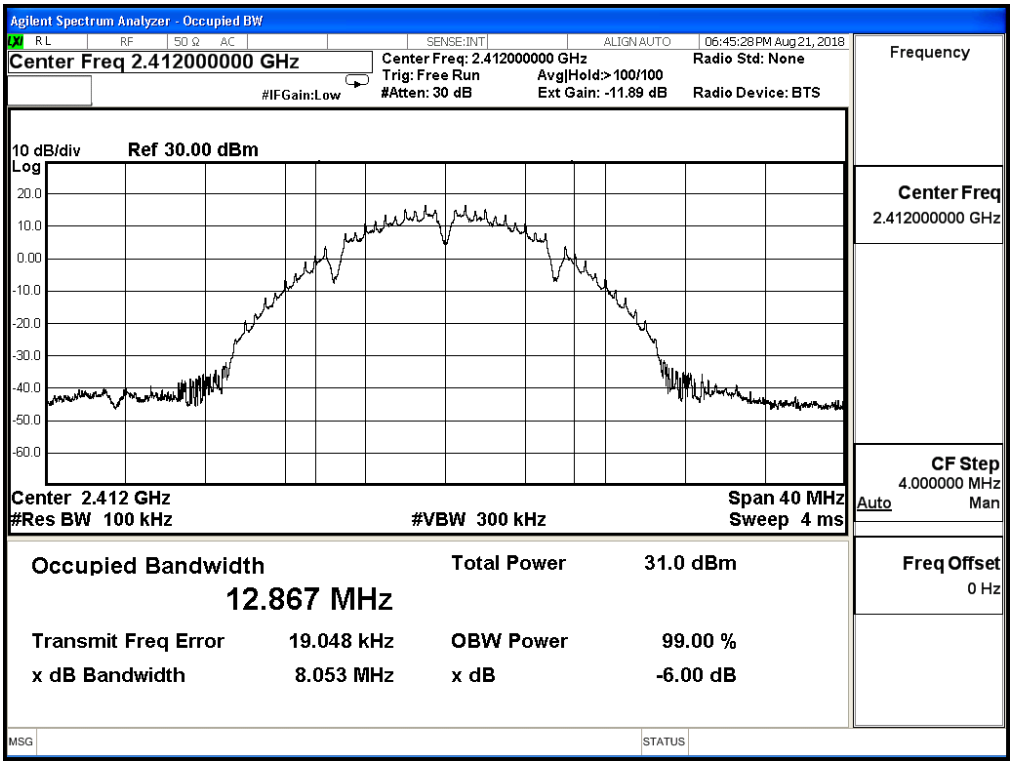
Channel 11 (2462MHz)



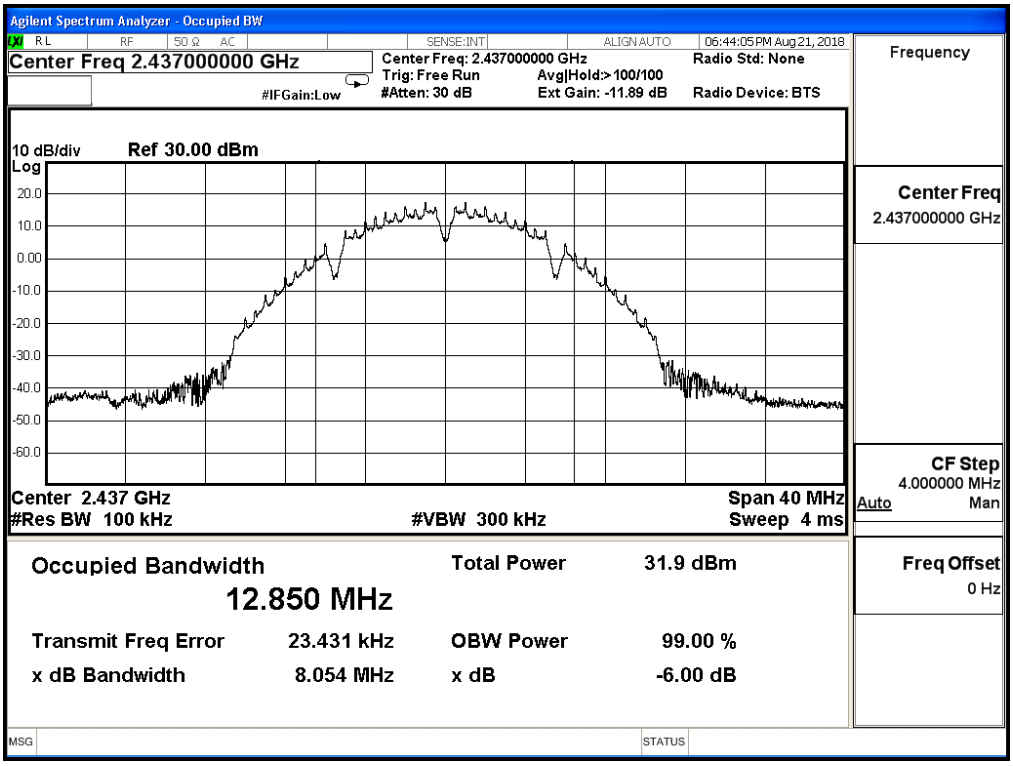
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.053	≧0.5	Pass
6	2437	8.054	≧0.5	Pass
11	2462	8.053	≧0.5	Pass

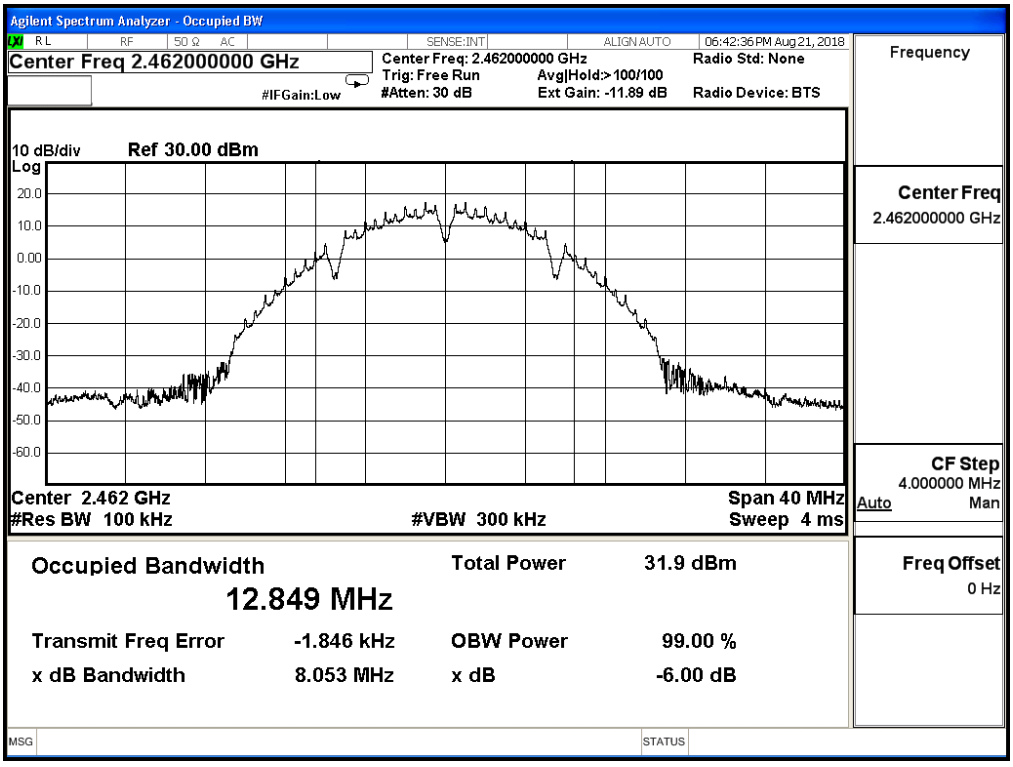
Channel 1 (2412MHz)



Channel 6 (2437MHz)



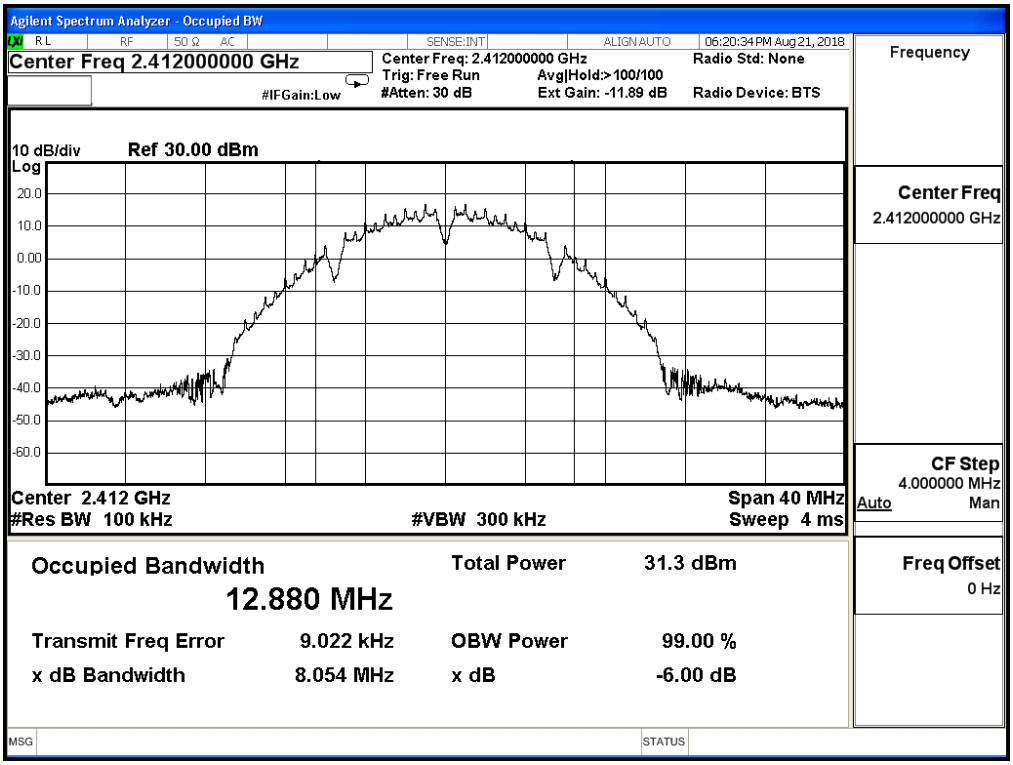
Channel 11 (2462MHz)



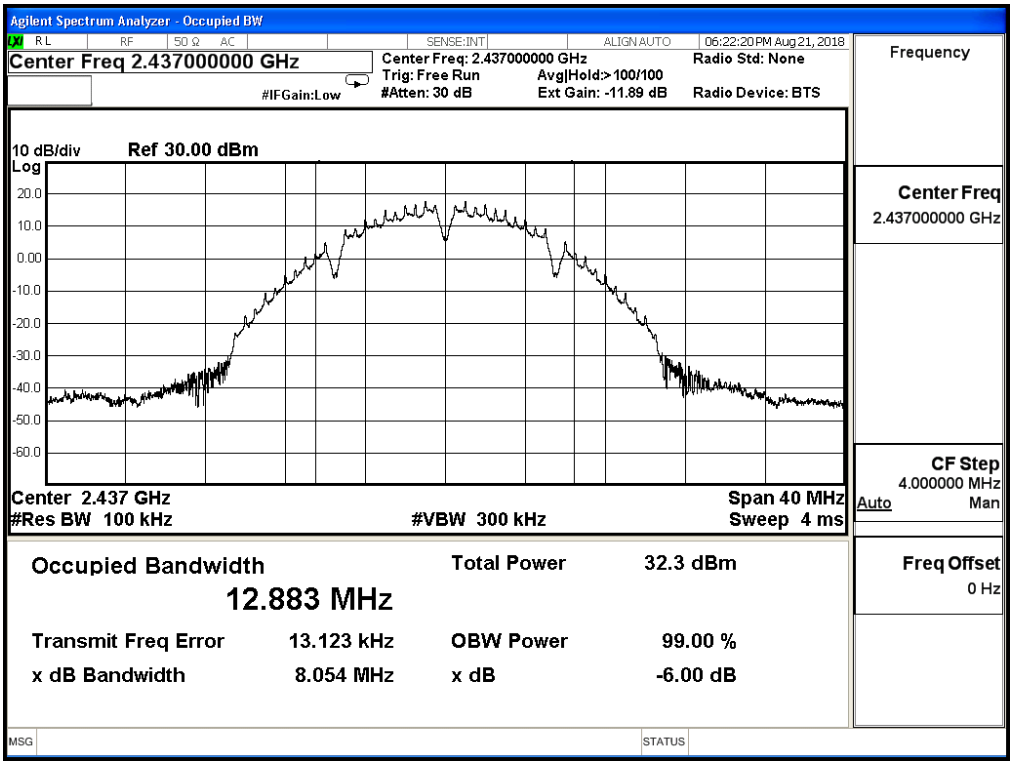
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11b (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.054	≧0.5	Pass
6	2437	8.054	≧0.5	Pass
11	2462	8.054	≧0.5	Pass

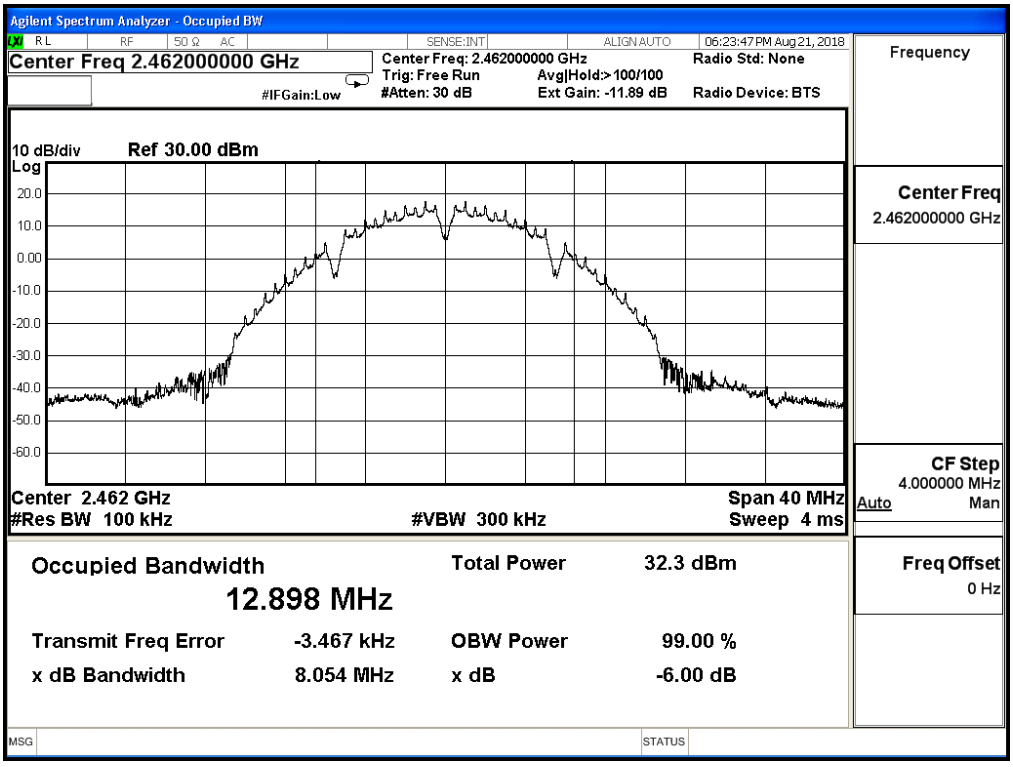
Channel 1 (2412MHz)



Channel 6 (2437MHz)



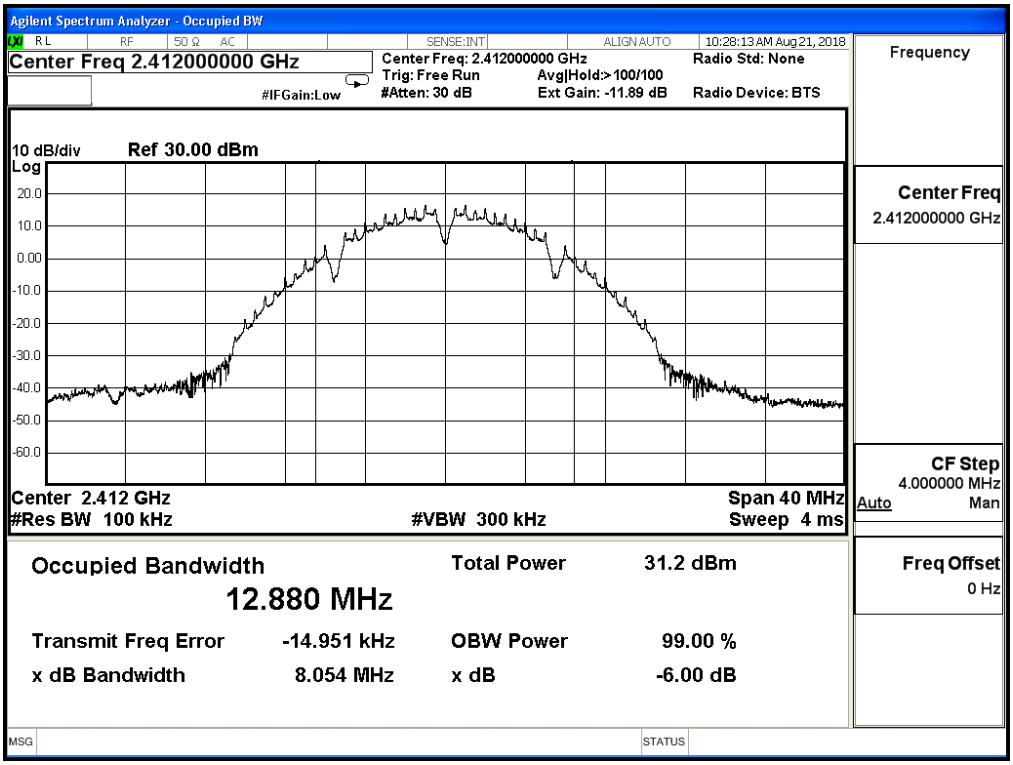
Channel 11 (2462MHz)



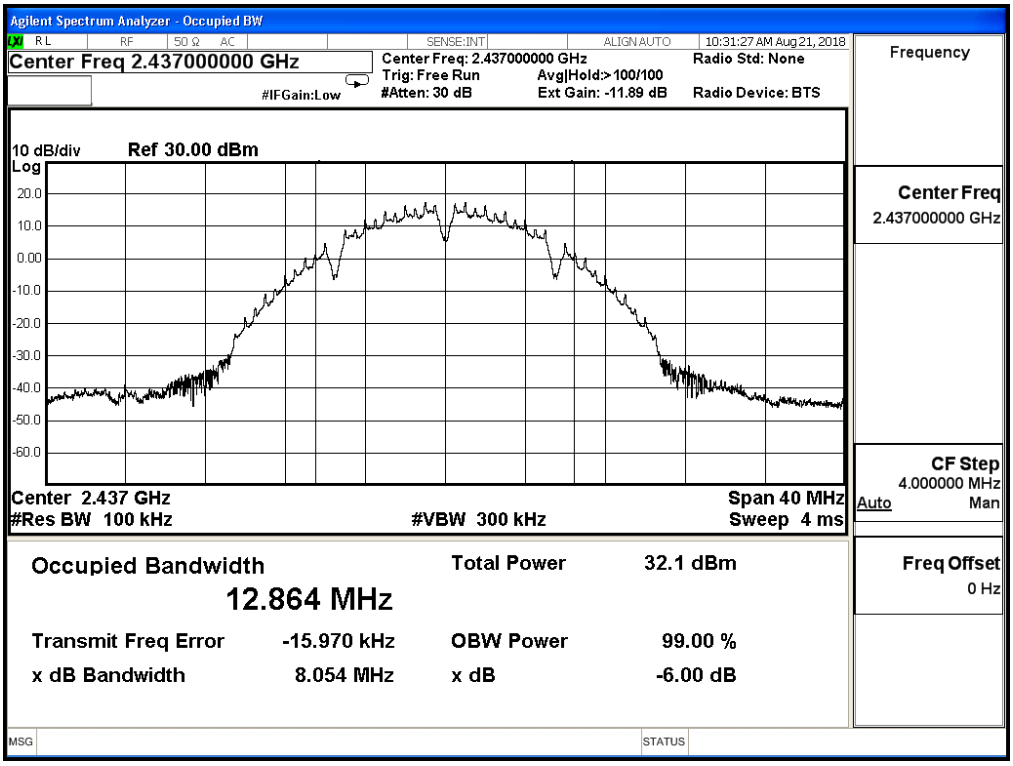
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11b (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.054	≧0.5	Pass
6	2437	8.054	≧0.5	Pass
11	2462	8.055	≧0.5	Pass

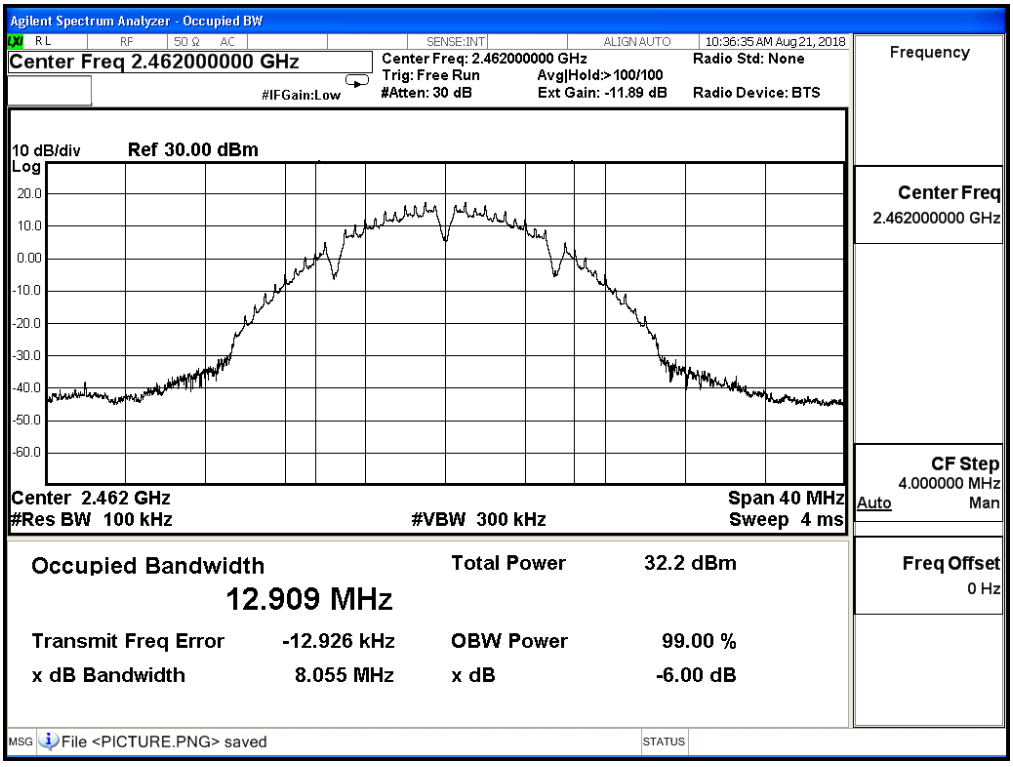
Channel 1 (2412MHz)



Channel 6 (2437MHz)



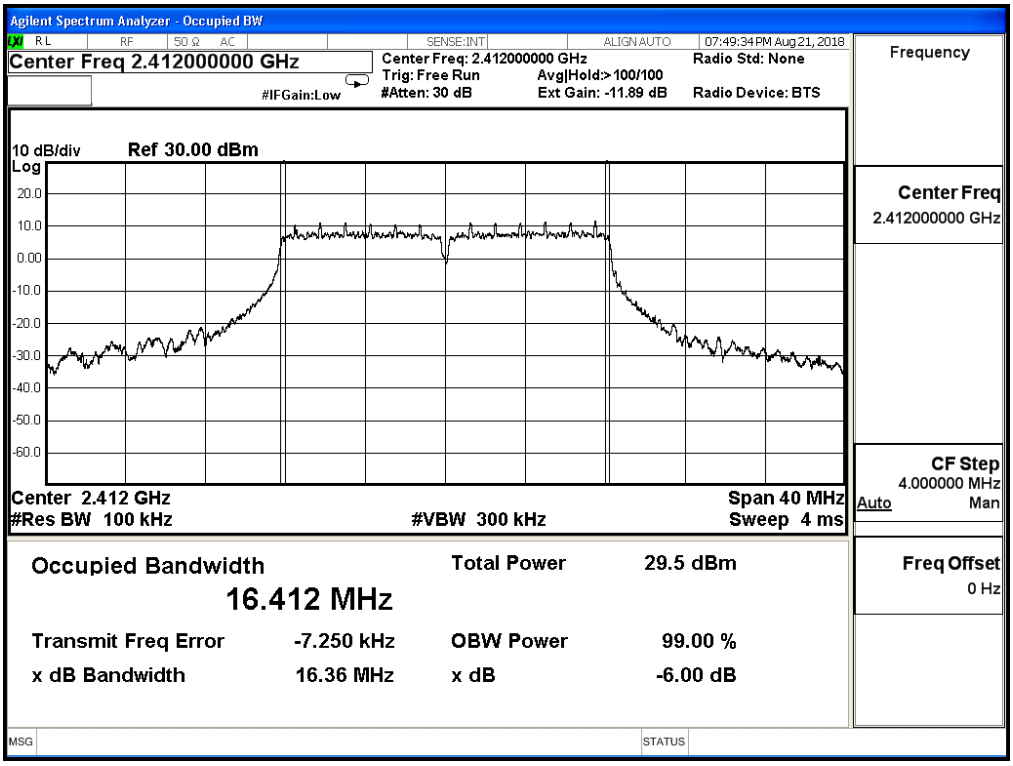
Channel 11 (2462MHz)



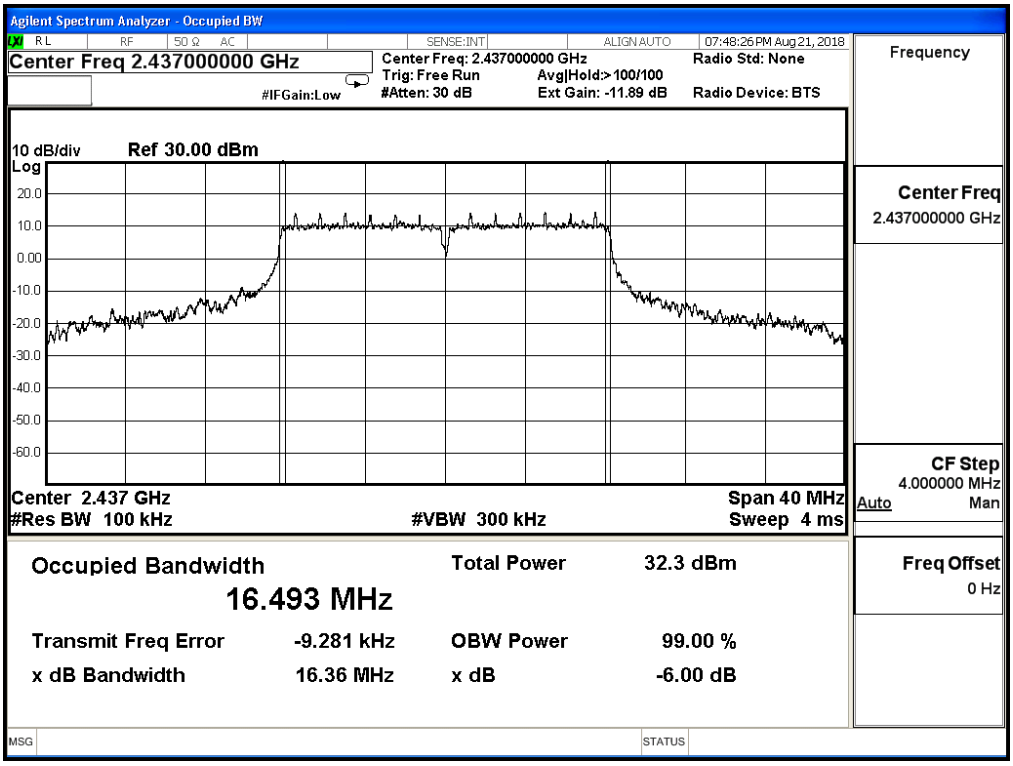
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.360	≧0.5	Pass
6	2437	16.360	≧0.5	Pass
11	2462	16.370	≧0.5	Pass

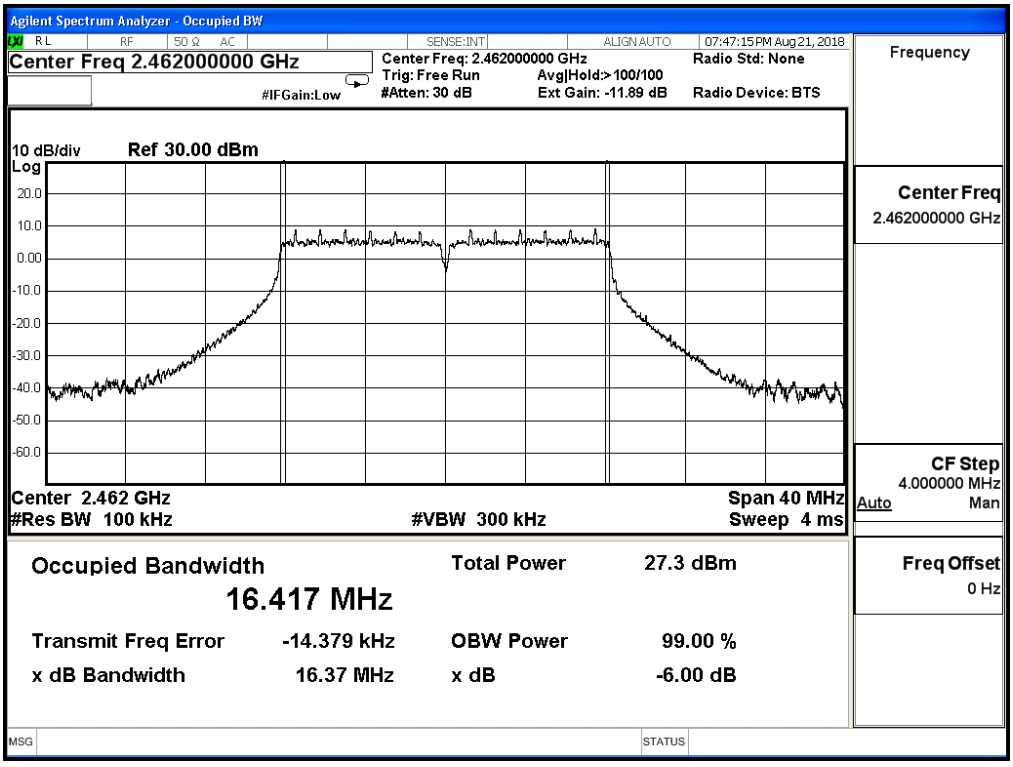
Channel 1 (2412MHz)



Channel 6 (2437MHz)



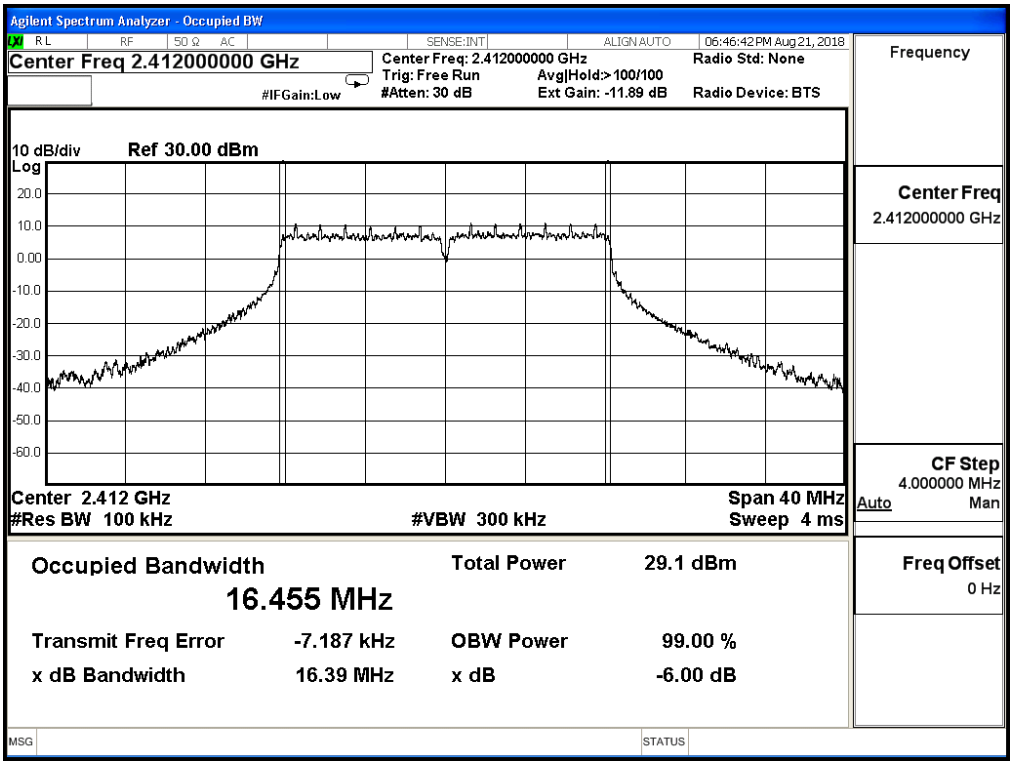
Channel 11 (2462MHz)



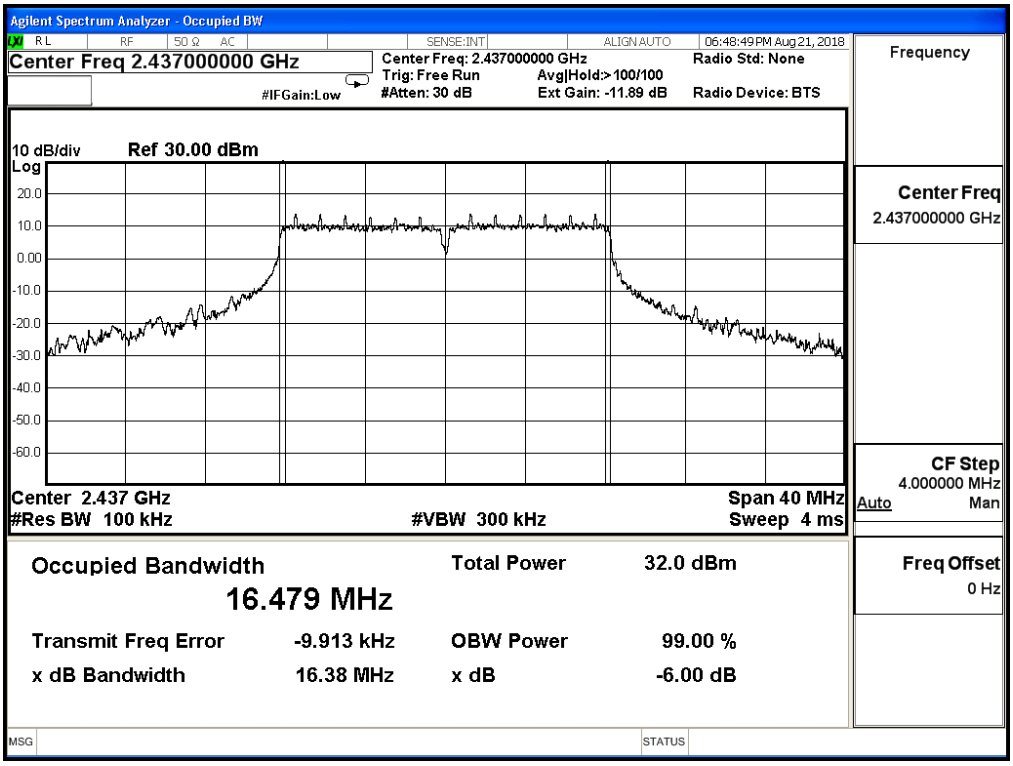
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.39	≧0.5	Pass
6	2437	16.38	≧0.5	Pass
11	2462	16.38	≧0.5	Pass

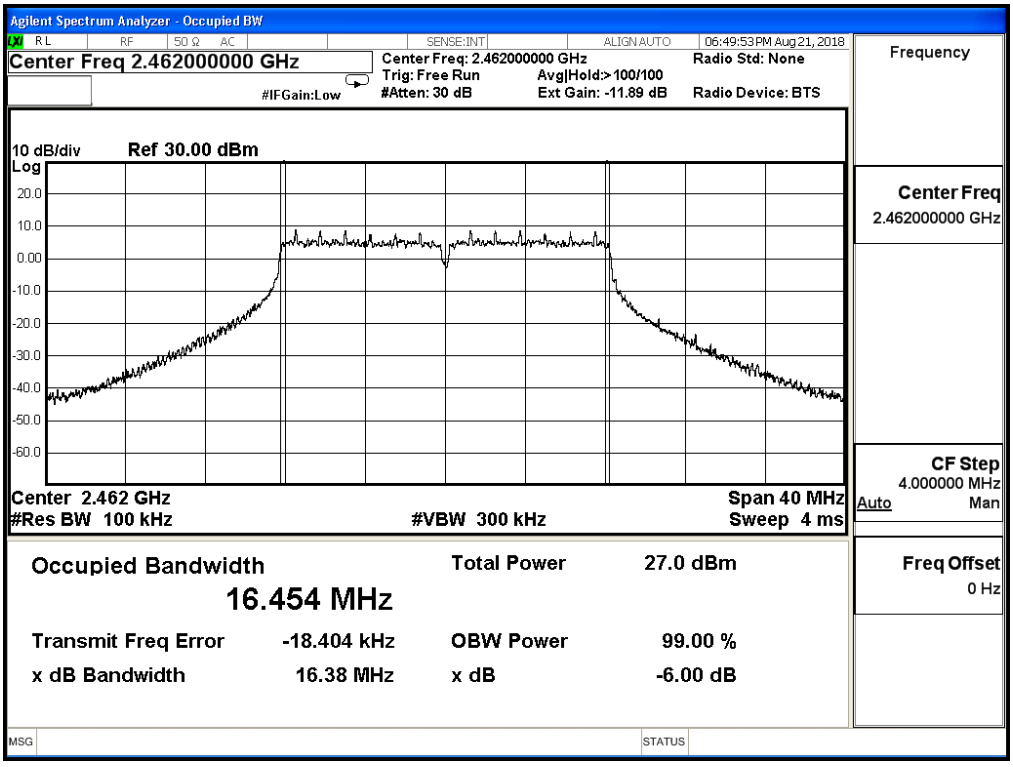
Channel 1 (2412MHz)



Channel 6 (2437MHz)



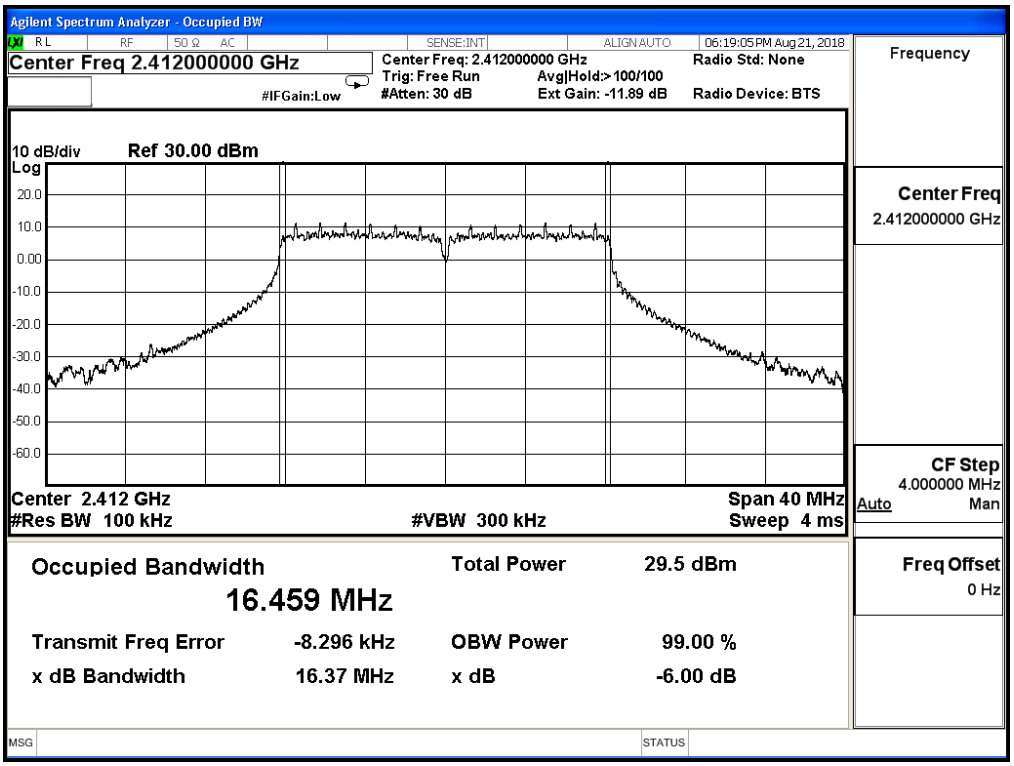
Channel 11 (2462MHz)



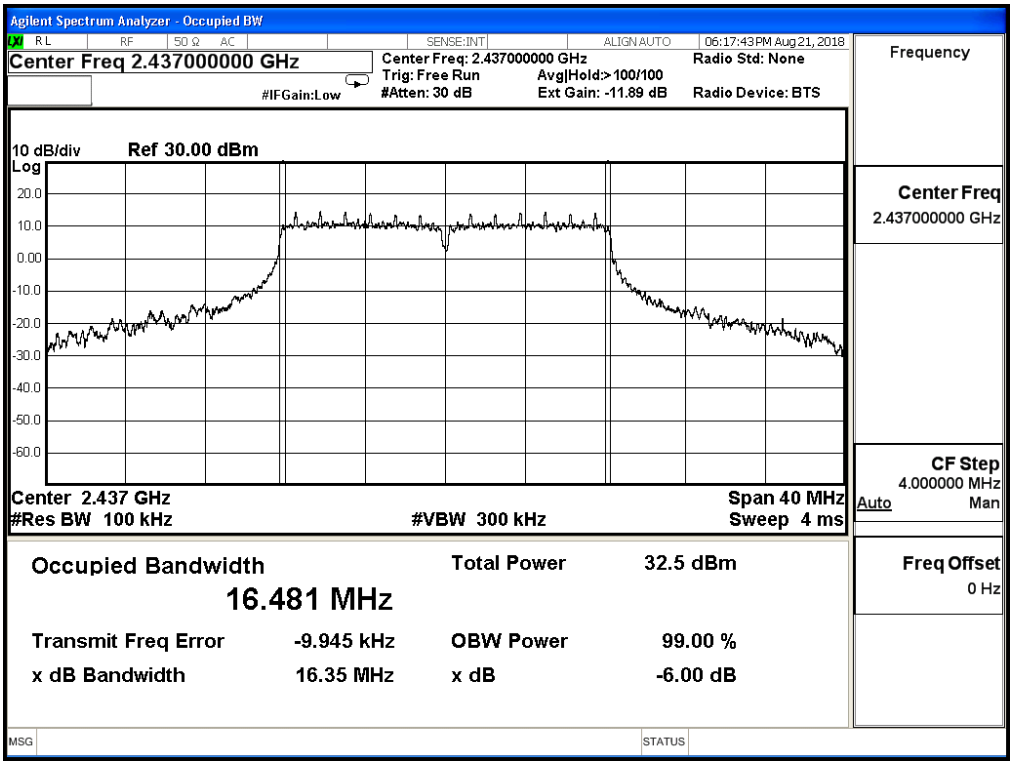
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11g (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.37	≧0.5	Pass
6	2437	16.35	≧0.5	Pass
11	2462	16.36	≧0.5	Pass

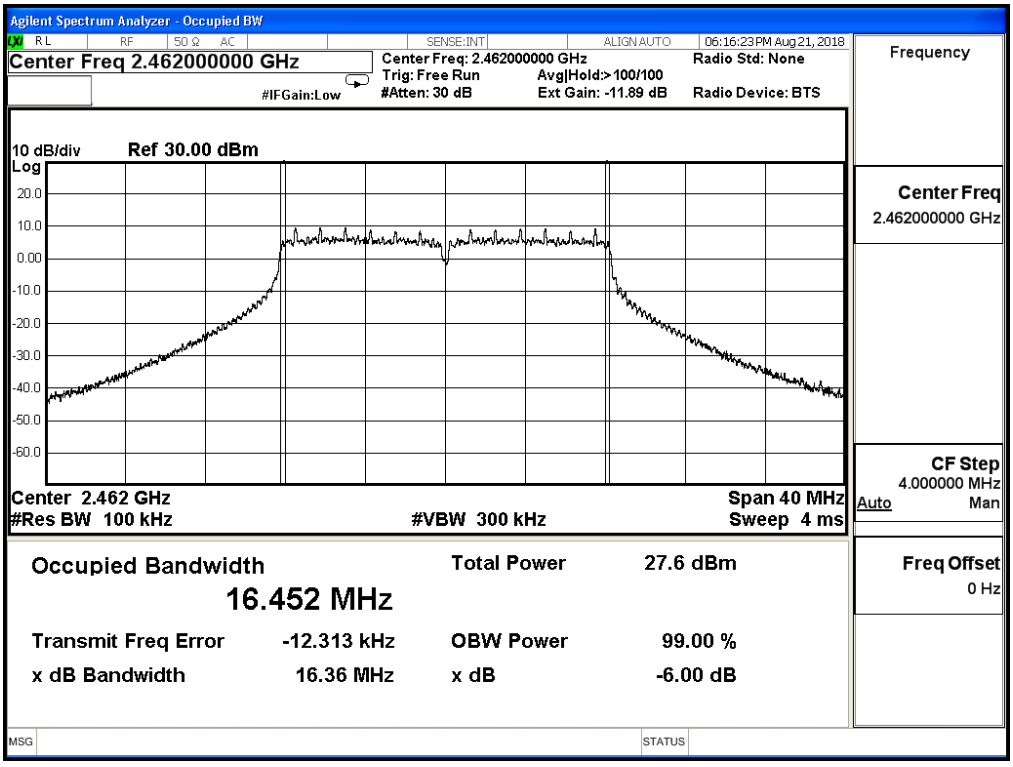
Channel 1 (2412MHz)



Channel 6 (2437MHz)



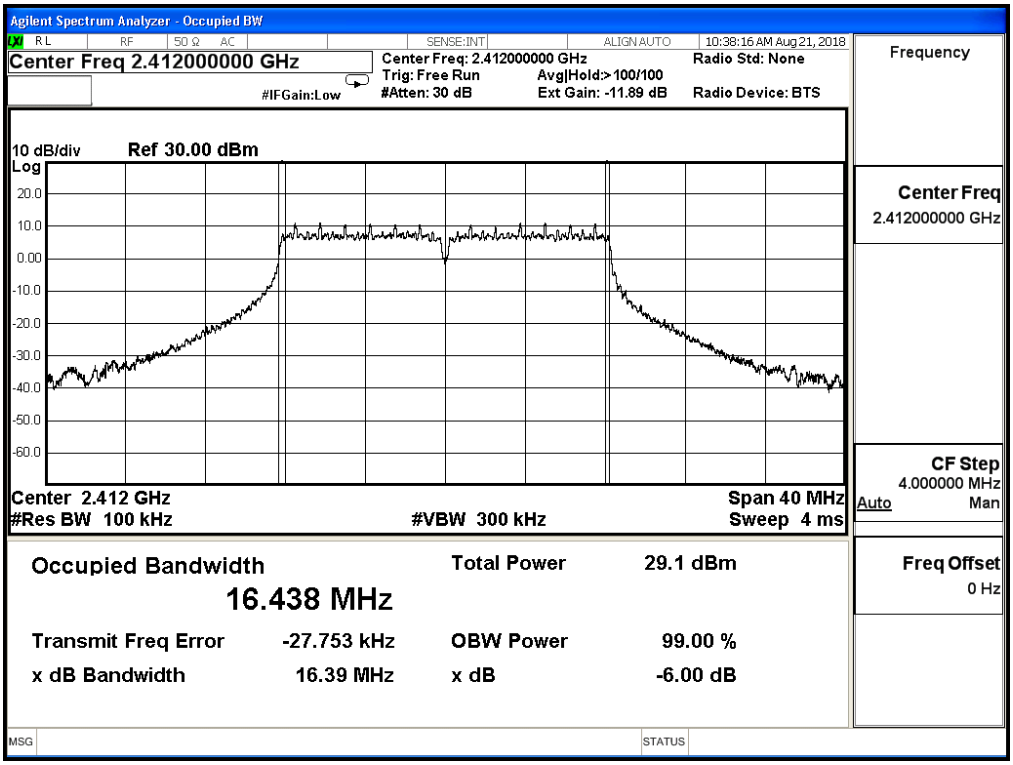
Channel 11 (2462MHz)



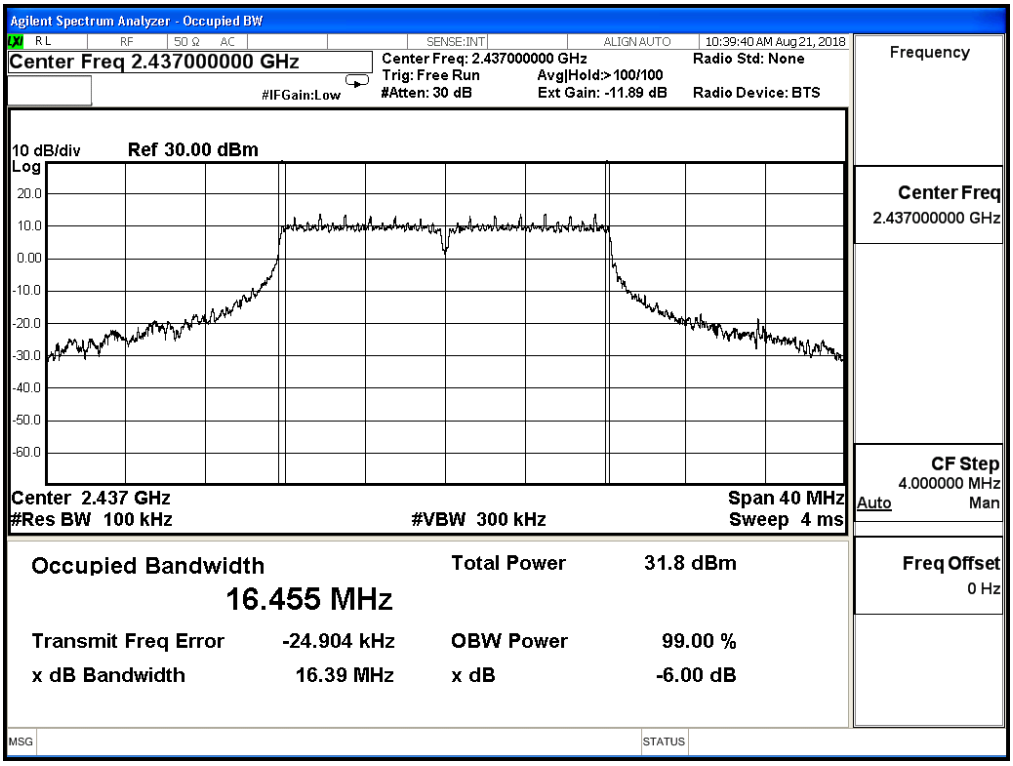
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

802.11g (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.390	≧0.5	Pass
6	2437	16.390	≧0.5	Pass
11	2462	16.390	≧0.5	Pass

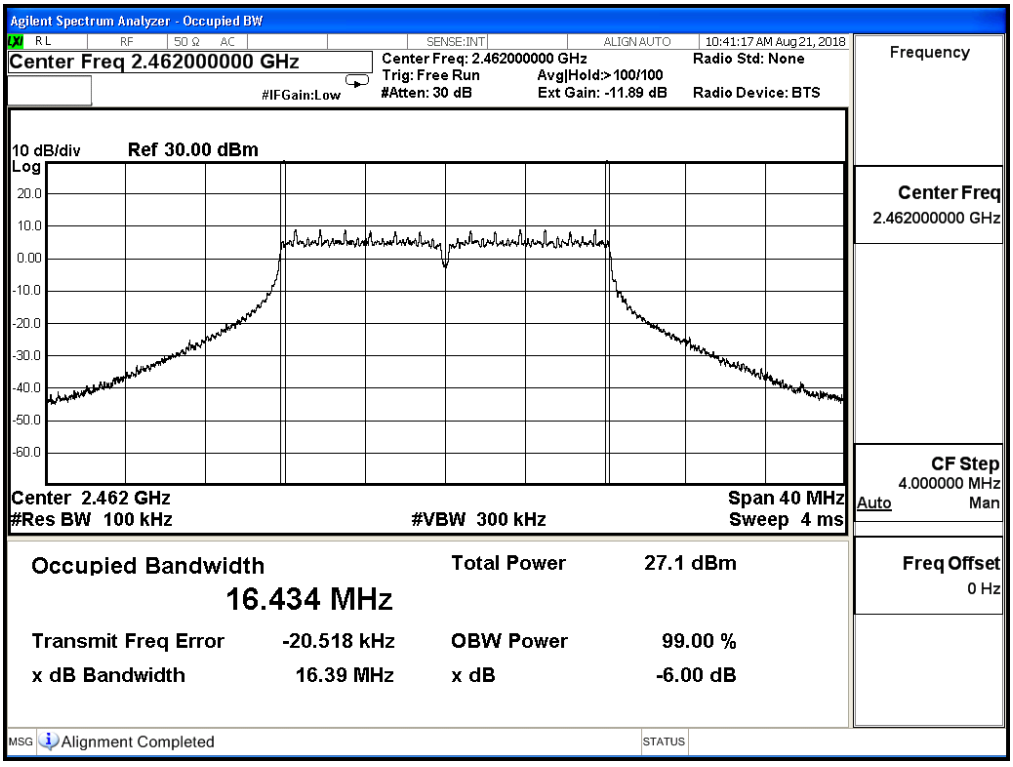
Channel 1 (2412MHz)



Channel 6 (2437MHz)



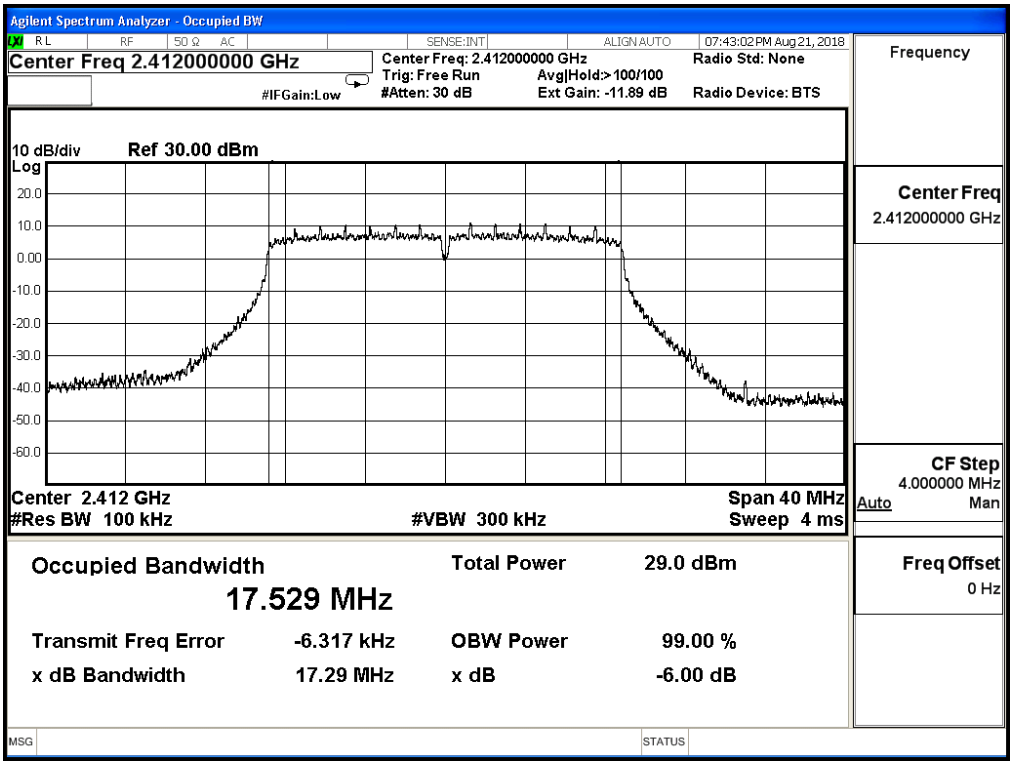
Channel 11 (2462MHz)



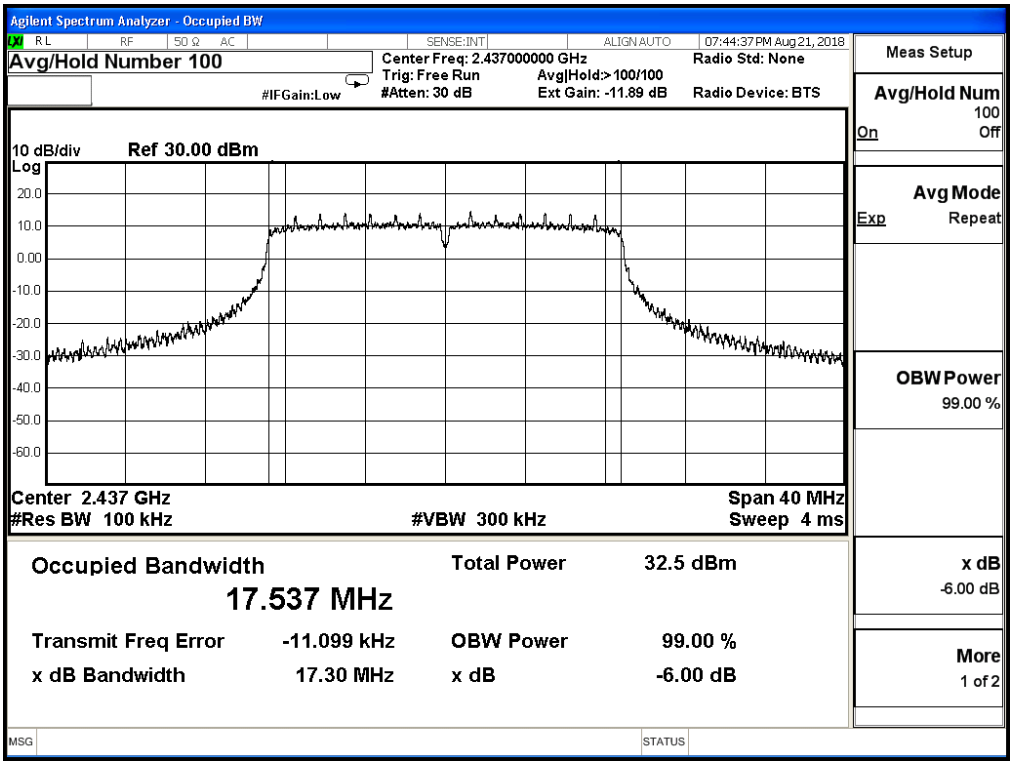
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.290	≧0.5	Pass
6	2437	17.300	≧0.5	Pass
11	2462	17.300	≧0.5	Pass

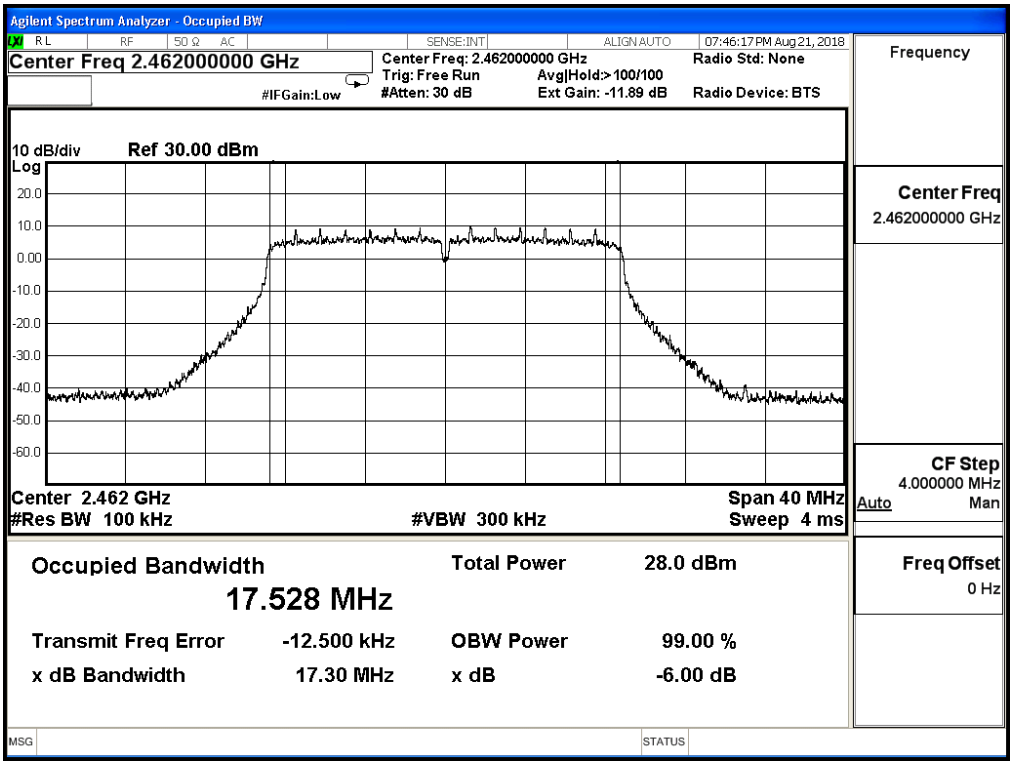
Channel 1 (2412MHz)



Channel 6 (2437MHz)



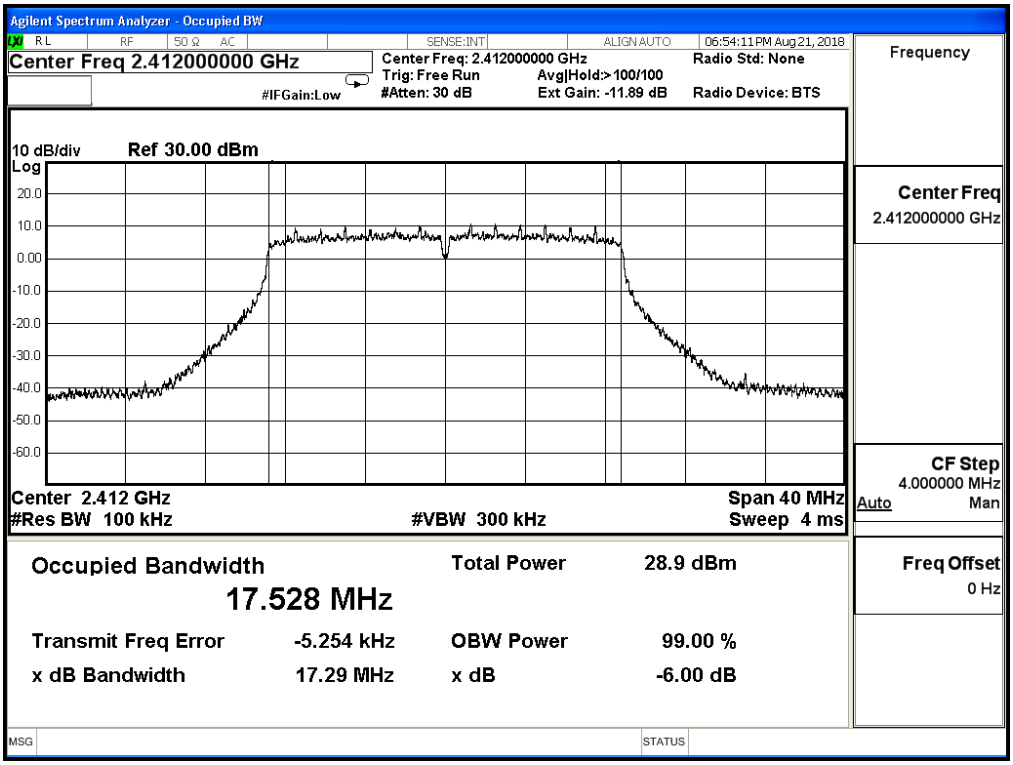
Channel 11 (2462MHz)



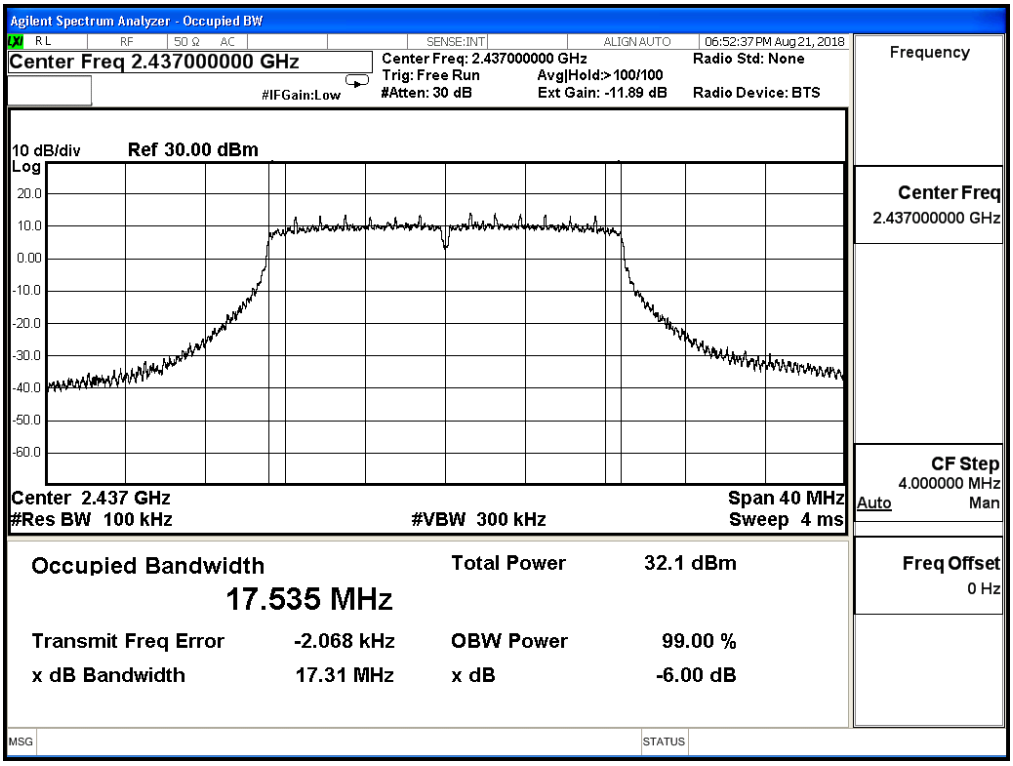
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.290	≧0.5	Pass
6	2437	17.310	≧0.5	Pass
11	2462	17.310	≧0.5	Pass

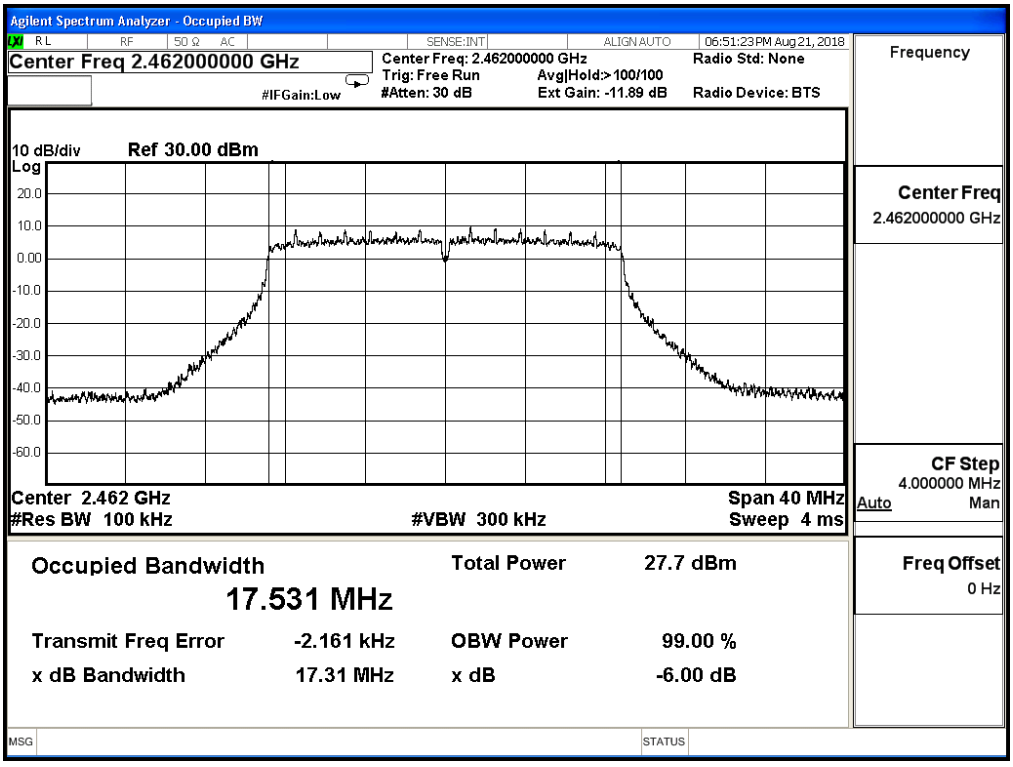
Channel 1 (2412MHz)



Channel 6 (2437MHz)



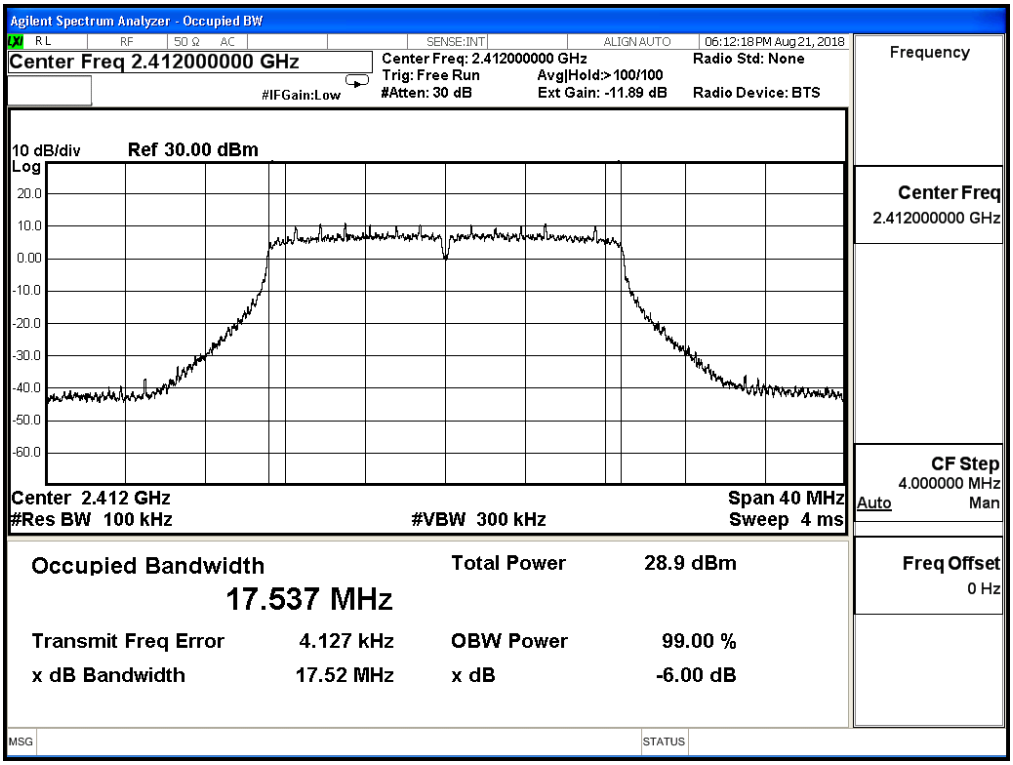
Channel 11 (2462MHz)



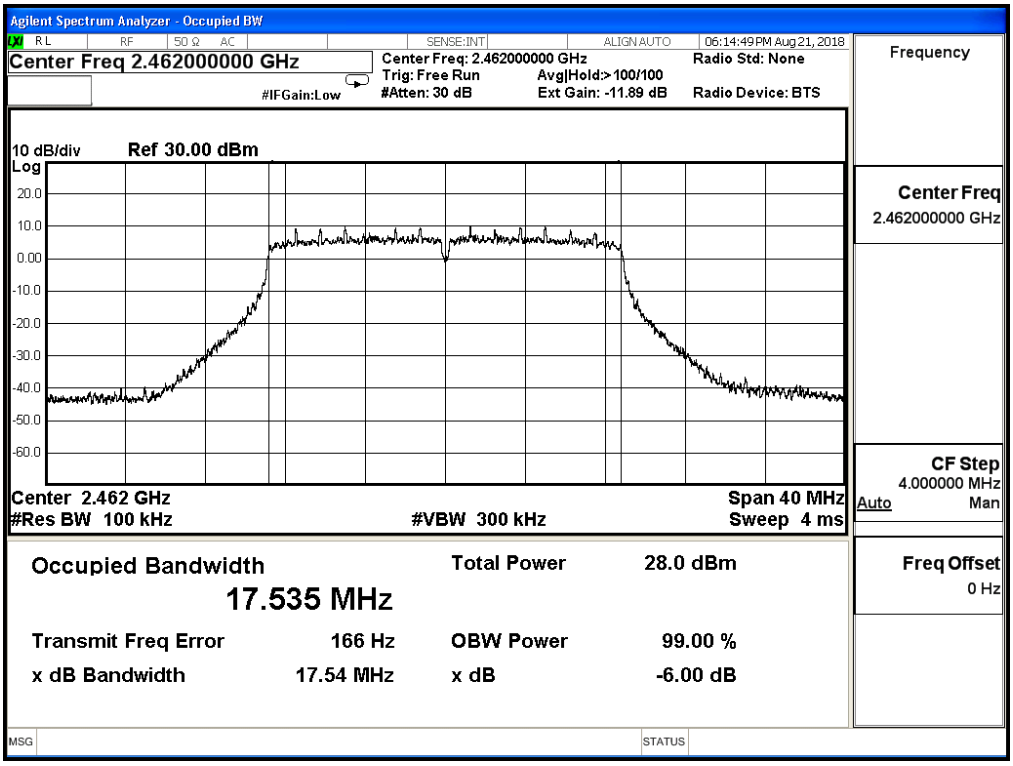
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.520	≧0.5	Pass
6	2437	17.540	≧0.5	Pass
11	2462	17.540	≧0.5	Pass

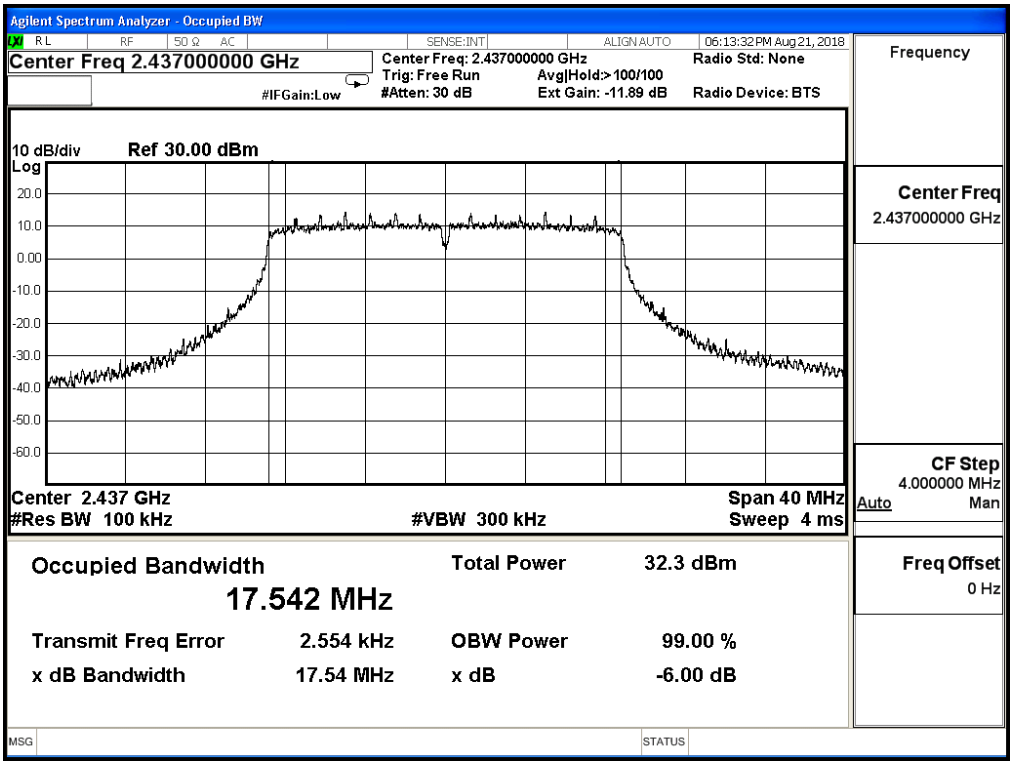
Channel 1 (2412MHz)



Channel 6 (2437MHz)



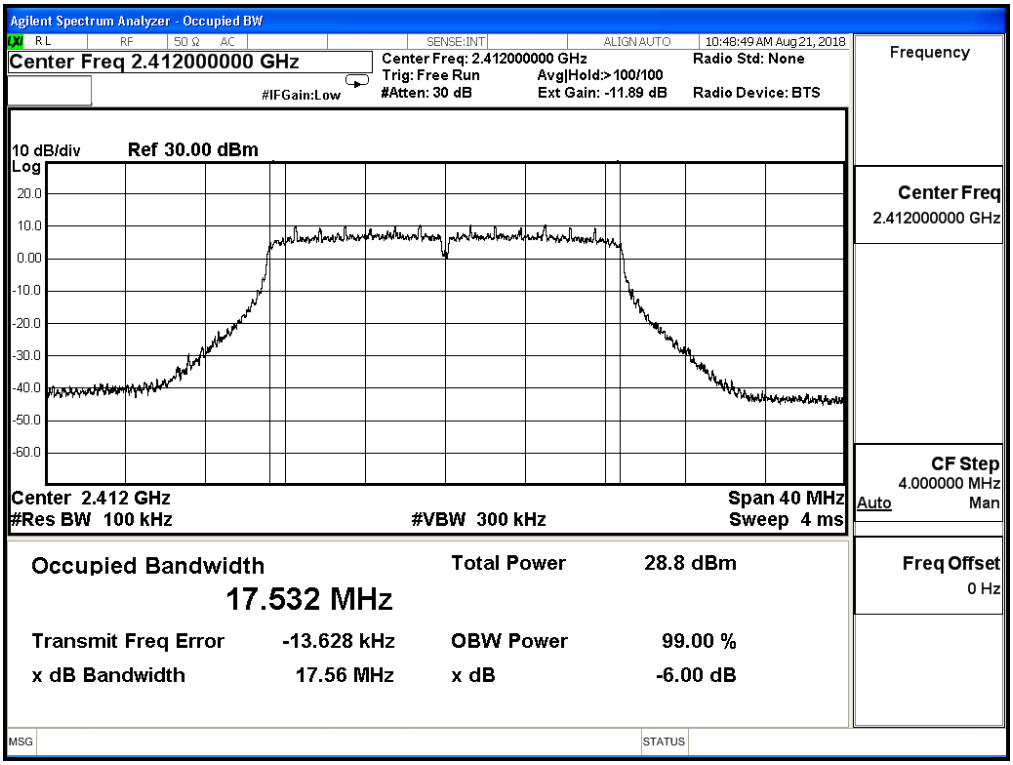
Channel 11 (2462MHz)



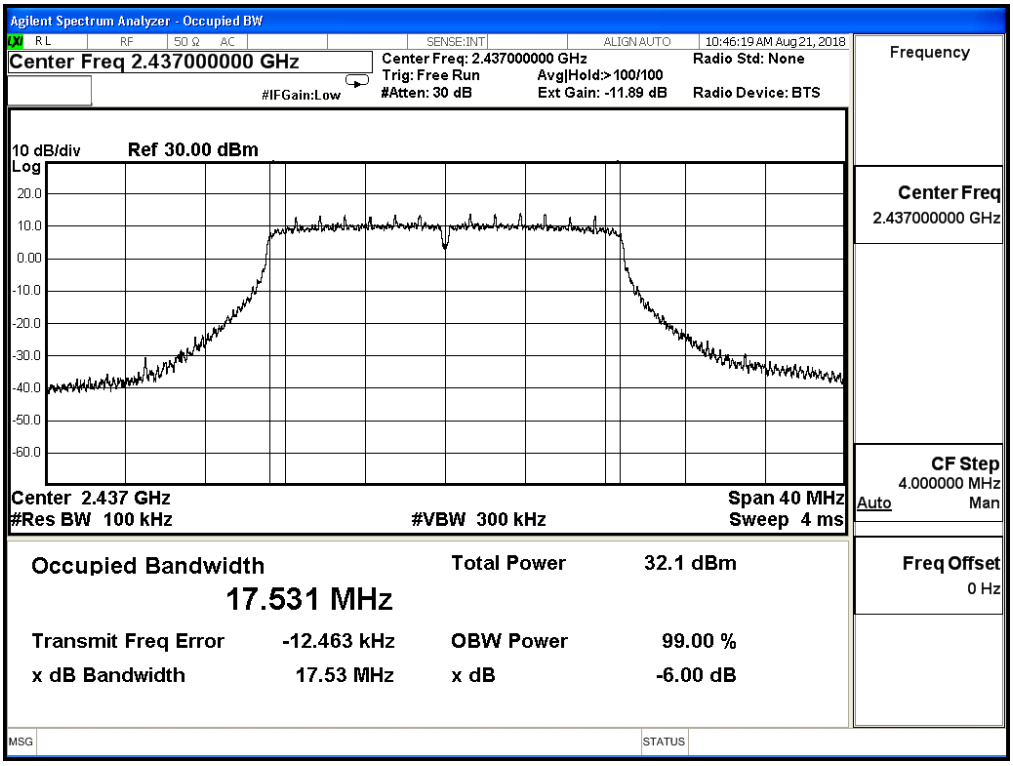
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.560	≧0.5	Pass
6	2437	17.530	≧0.5	Pass
11	2462	17.540	≧0.5	Pass

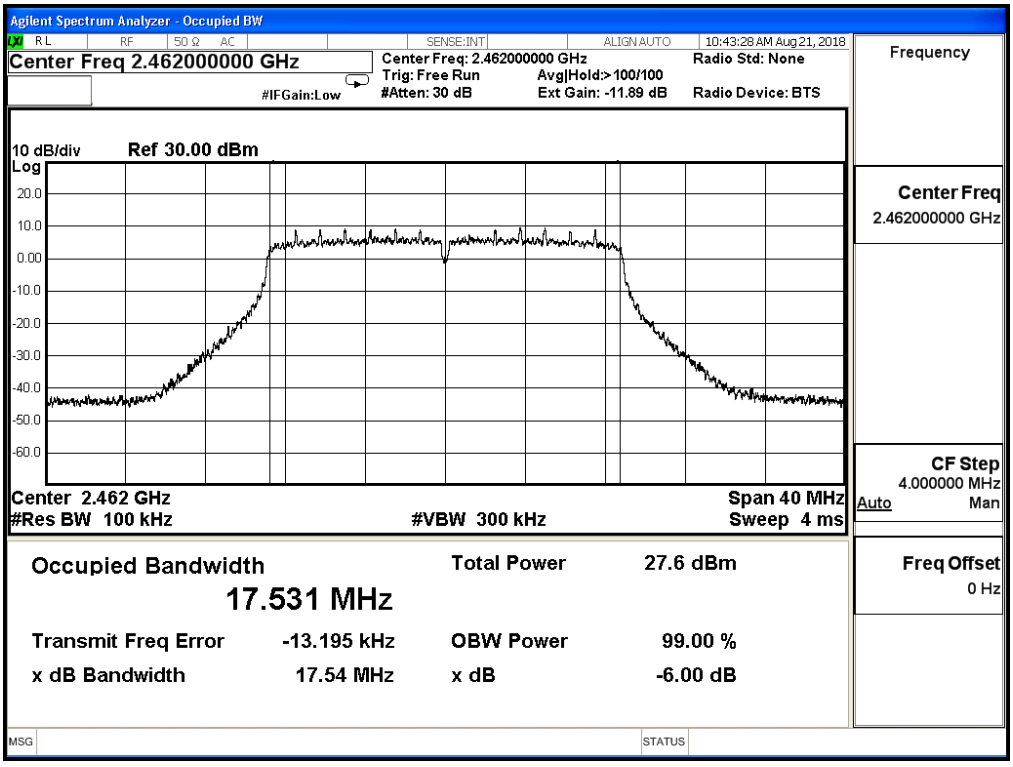
Channel 1 (2412MHz)



Channel 6 (2437MHz)



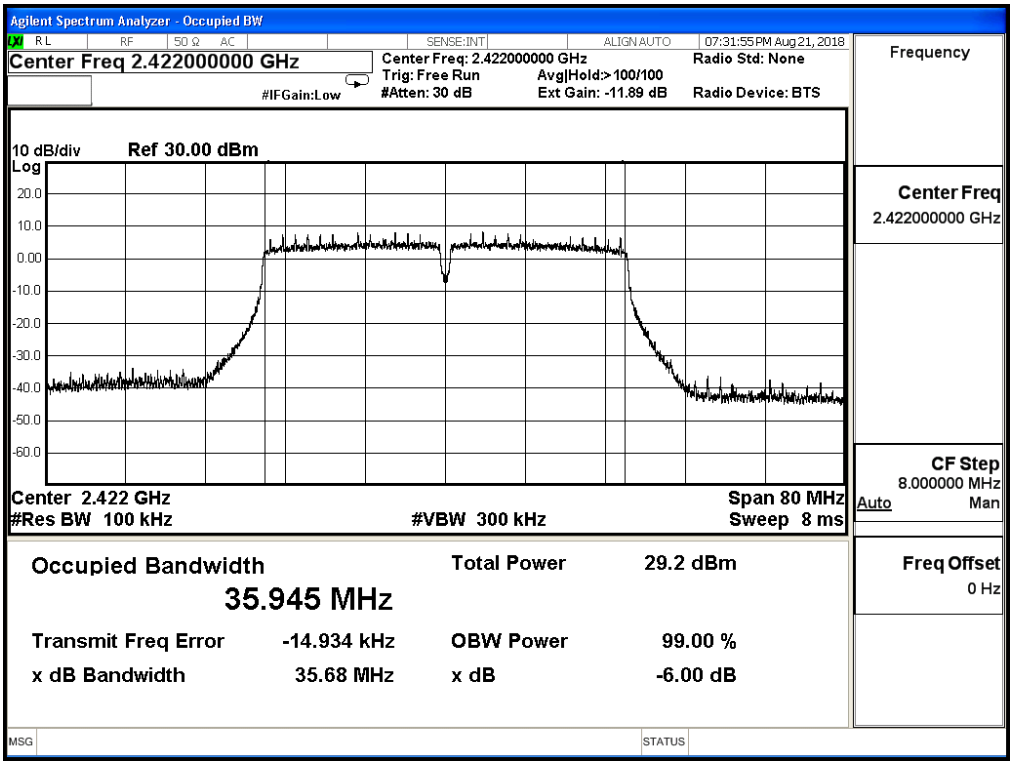
Channel 11 (2462MHz)



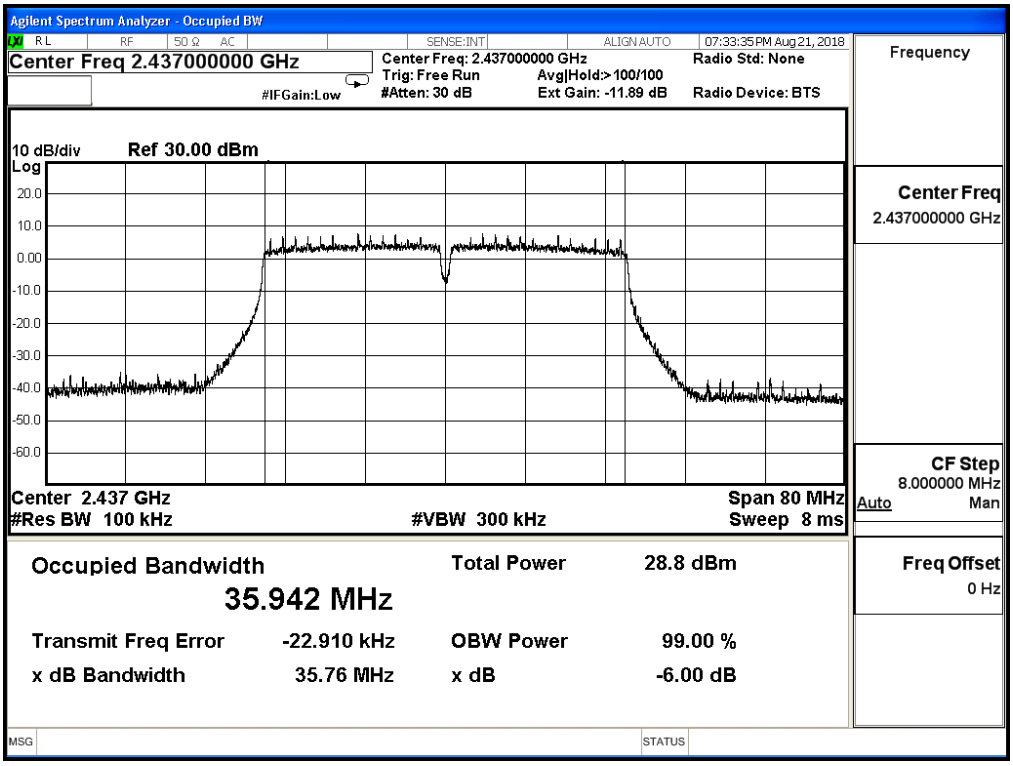
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	35.680	≧0.5	Pass
6	2437	35.760	≧0.5	Pass
9	2452	35.950	≧0.5	Pass

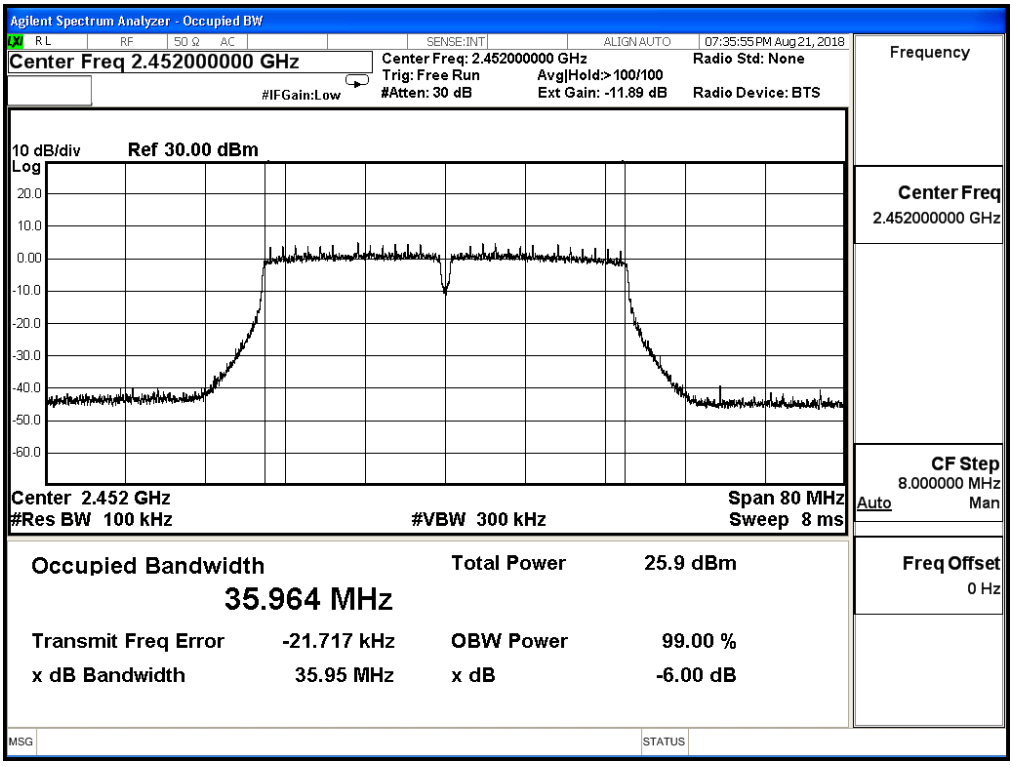
Channel 3 (2422MHz)



Channel 6 (2437MHz)



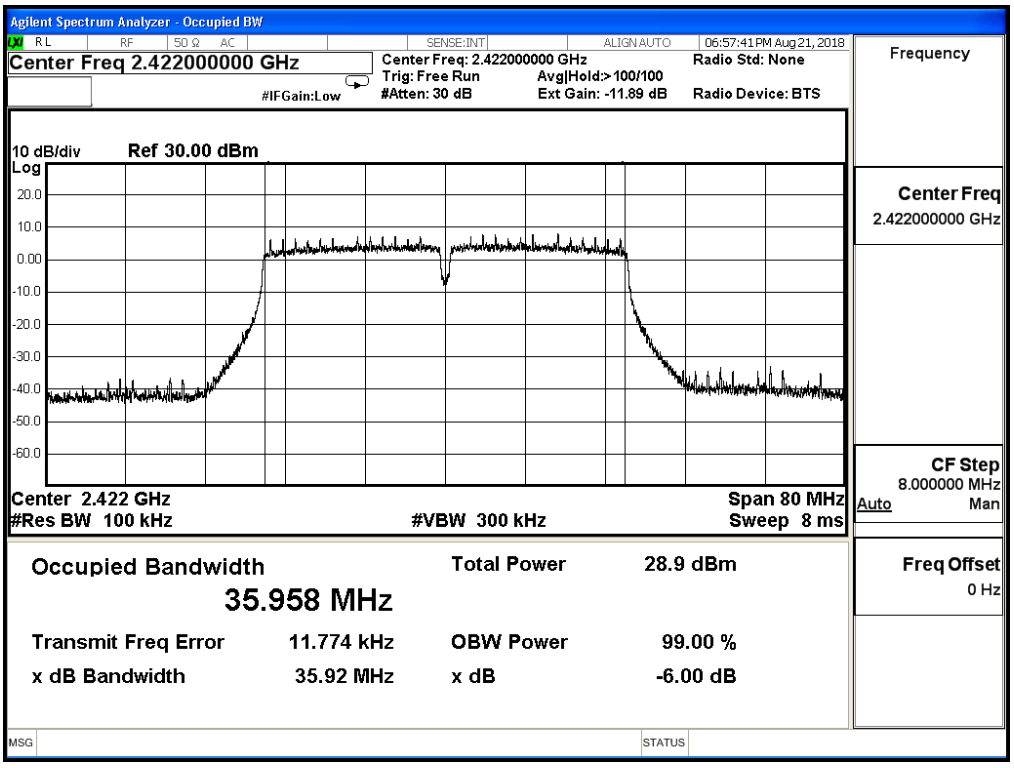
Channel 9 (2452MHz)



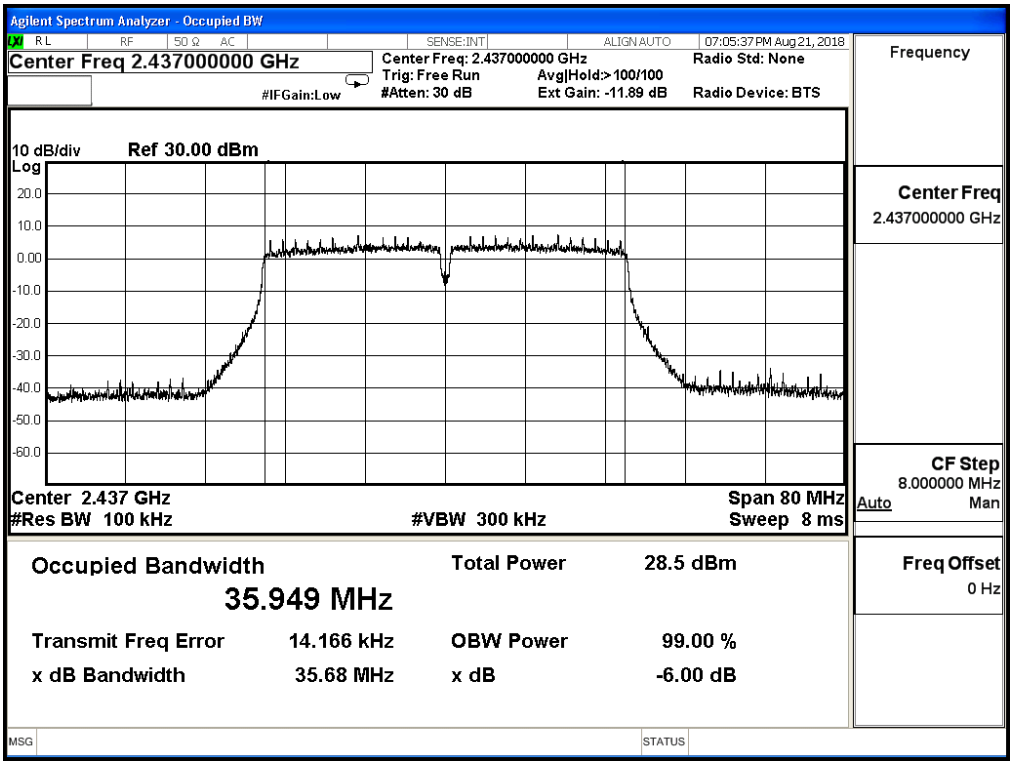
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	35.920	≧0.5	Pass
6	2437	35.680	≧0.5	Pass
9	2452	35.650	≧0.5	Pass

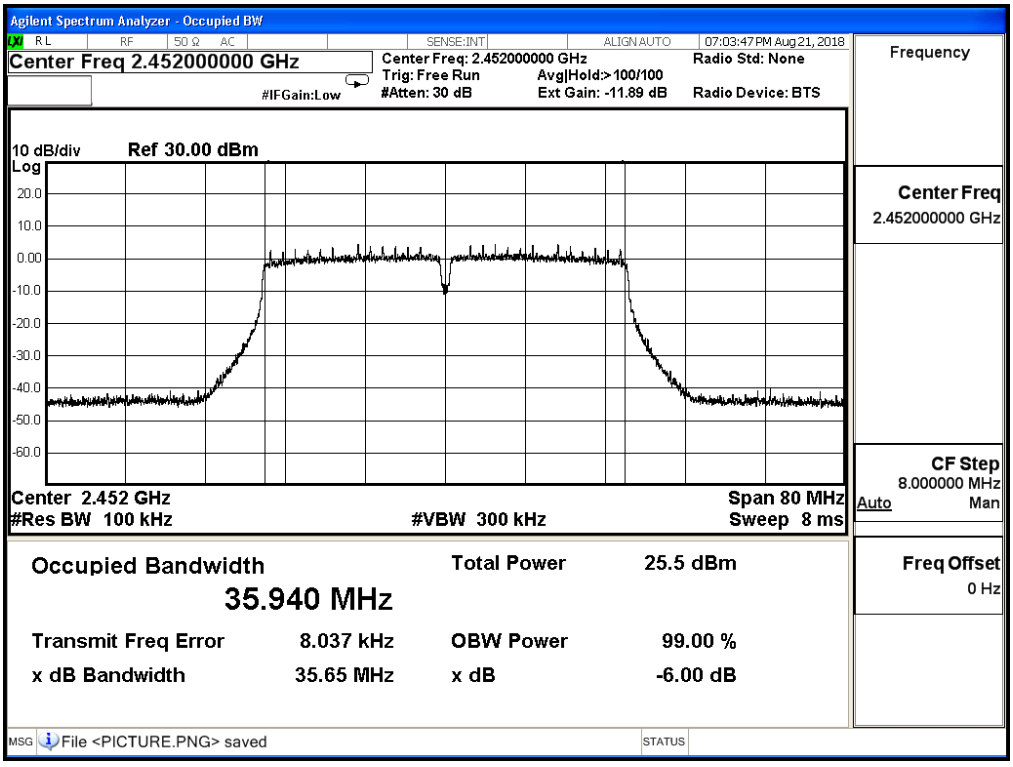
Channel 3 (2422MHz)



Channel 6 (2437MHz)



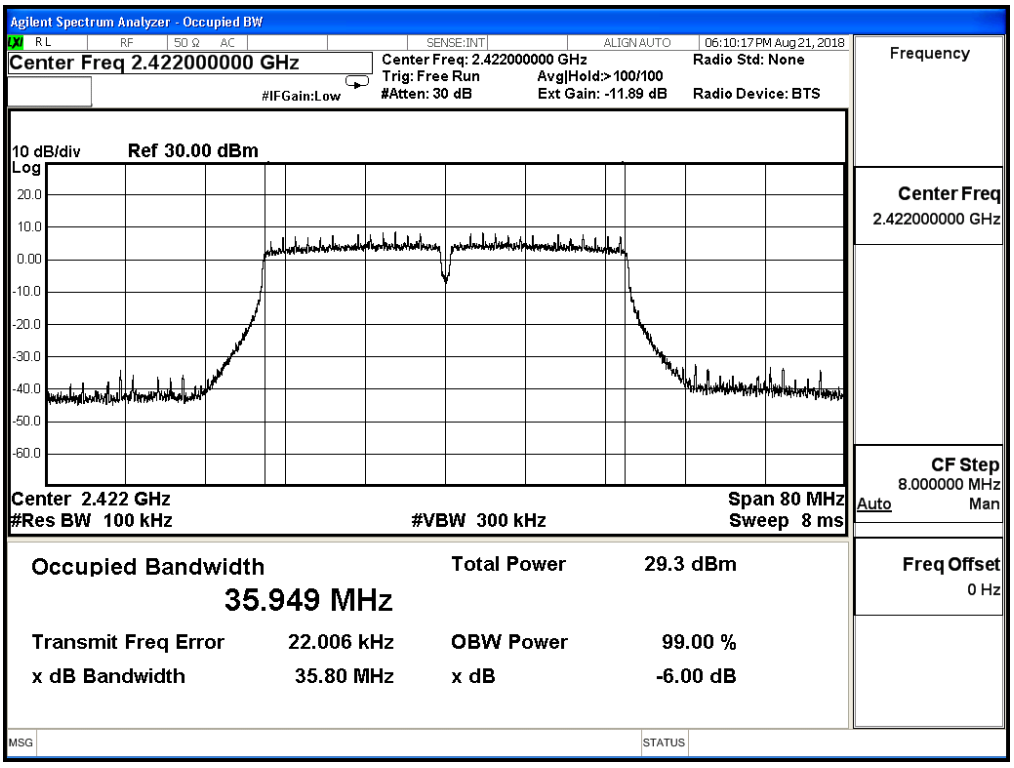
Channel 9 (2452MHz)



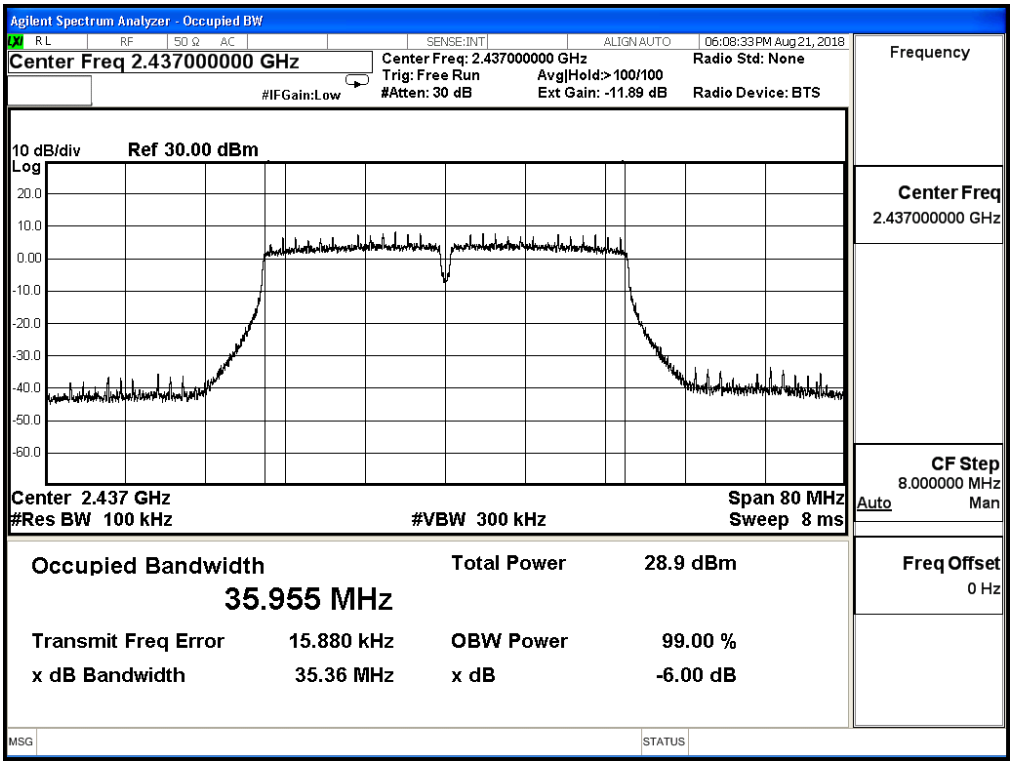
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	35.800	≧0.5	Pass
6	2437	35.360	≧0.5	Pass
9	2452	35.680	≧0.5	Pass

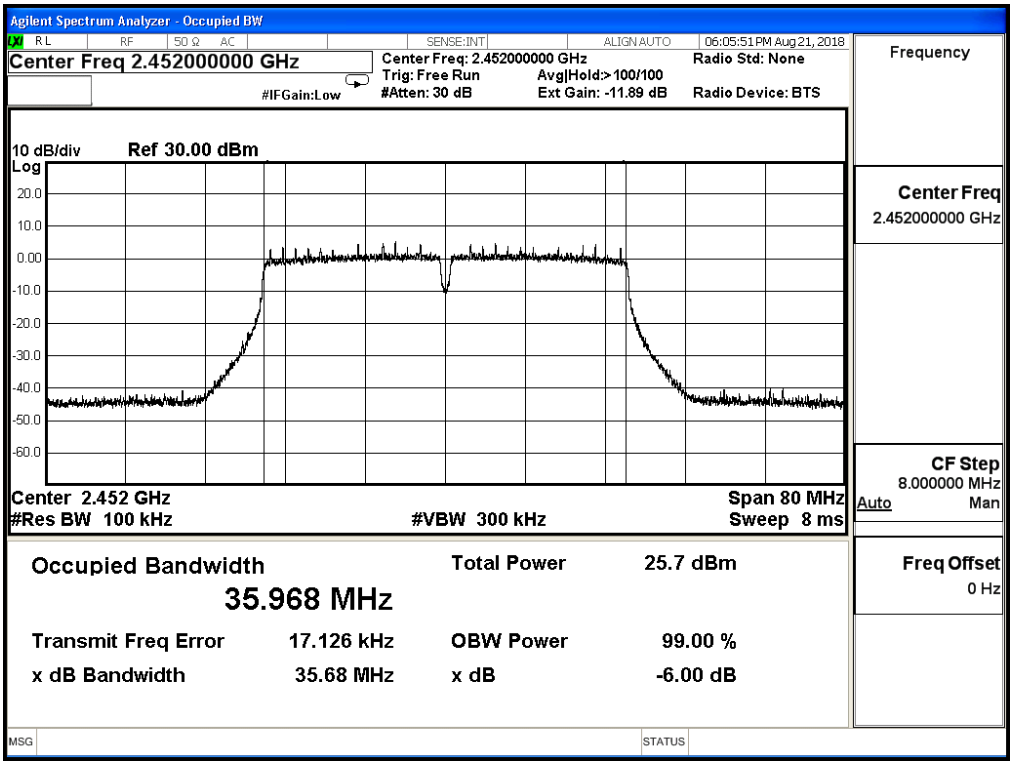
Channel 3 (2422MHz)



Channel 6 (2437MHz)



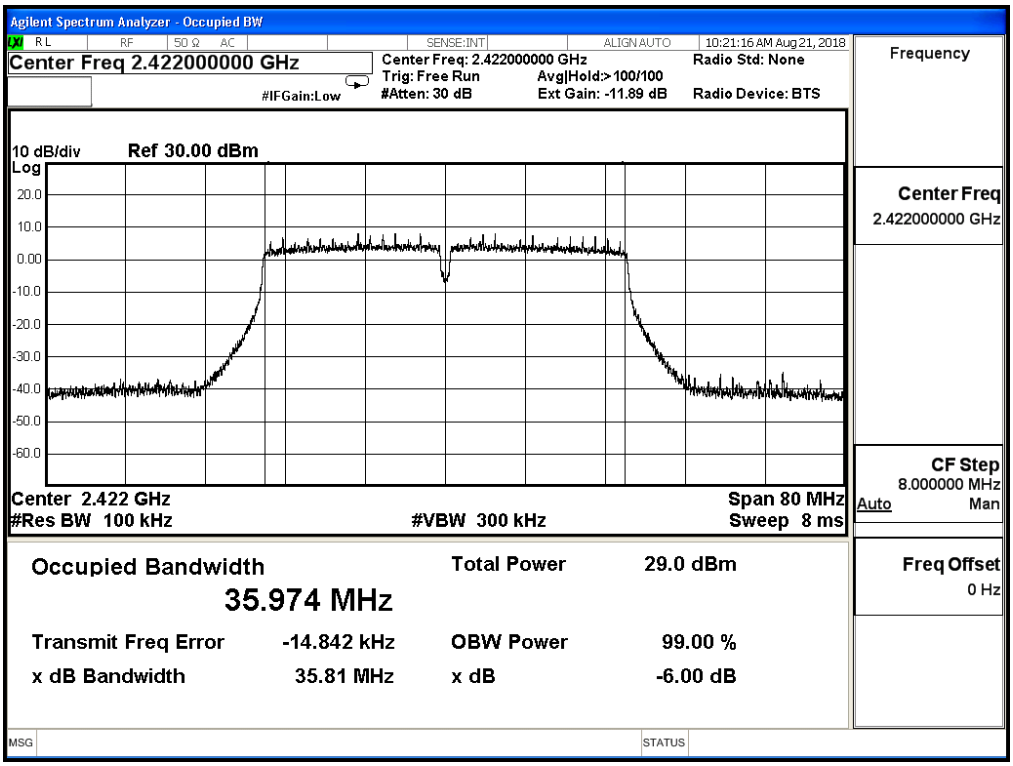
Channel 9 (2452MHz)



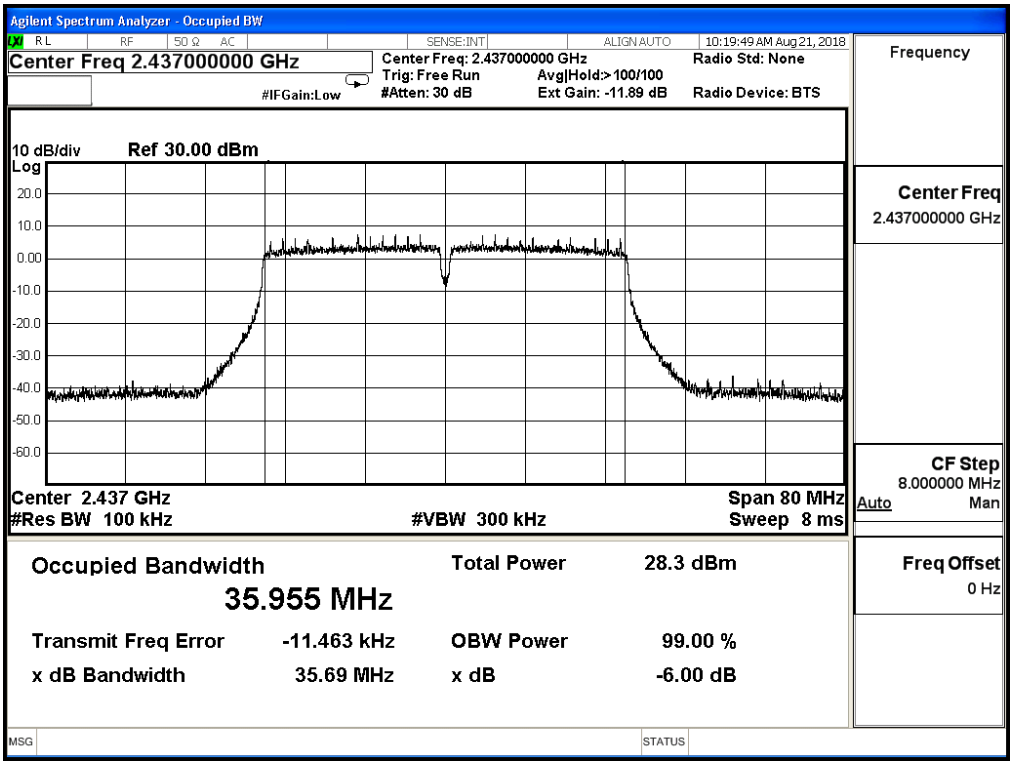
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	35.810	≧0.5	Pass
6	2437	35.690	≧0.5	Pass
9	2452	35.820	≧0.5	Pass

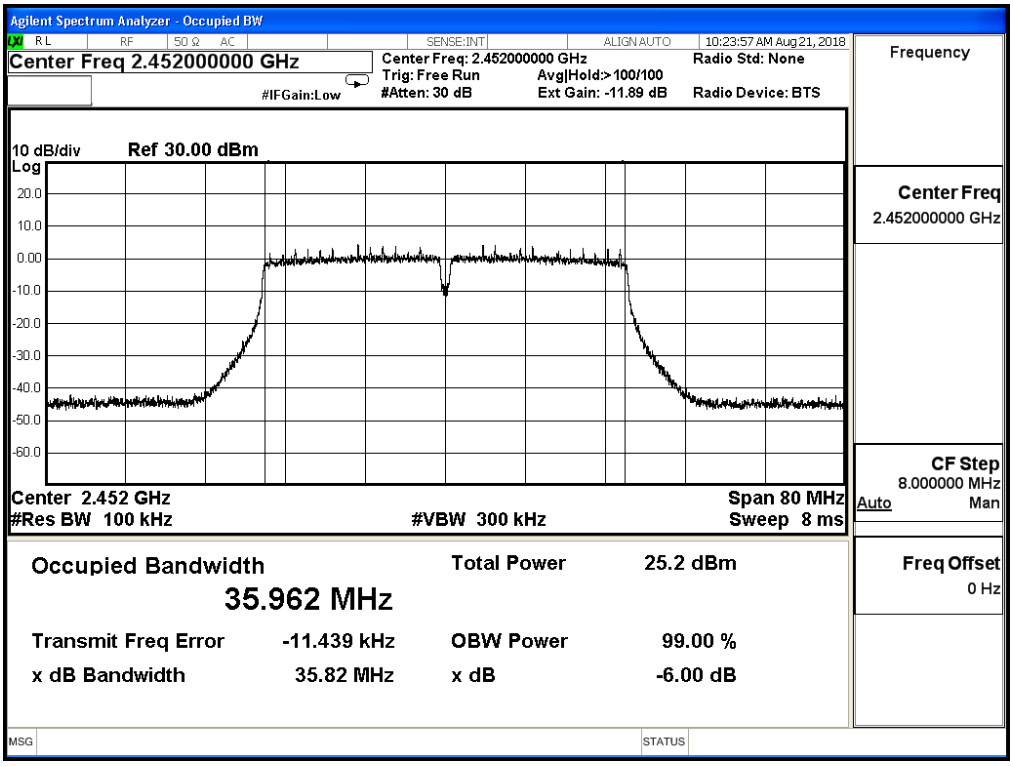
Channel 3 (2422MHz)



Channel 6 (2437MHz)



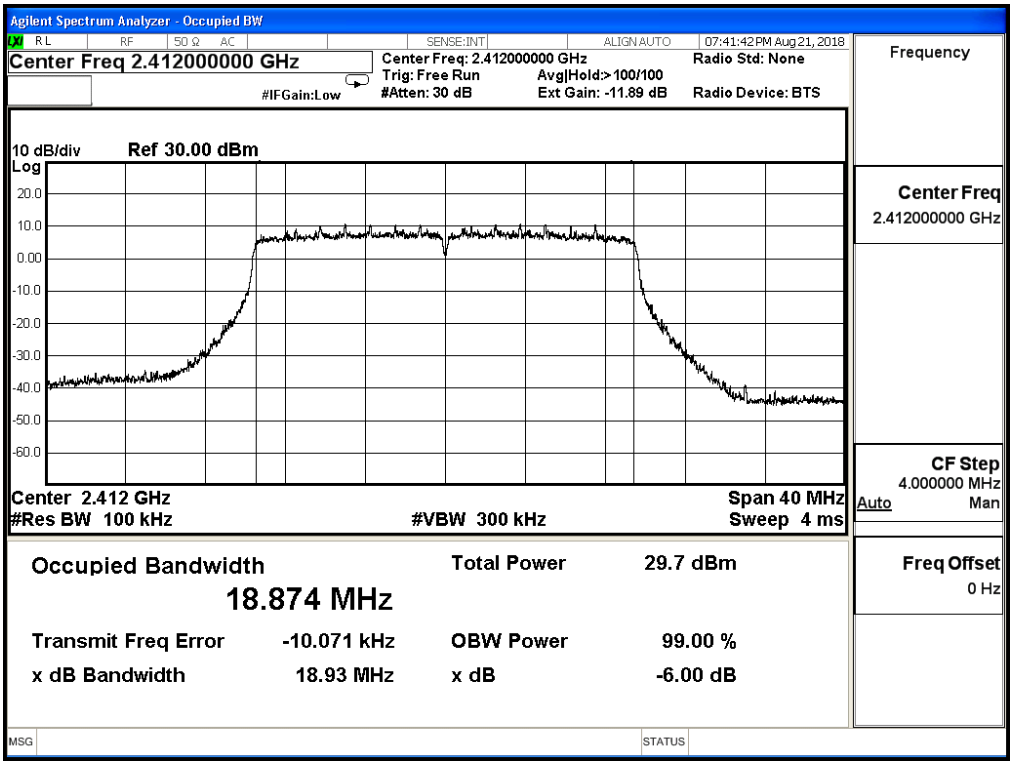
Channel 9 (2452MHz)



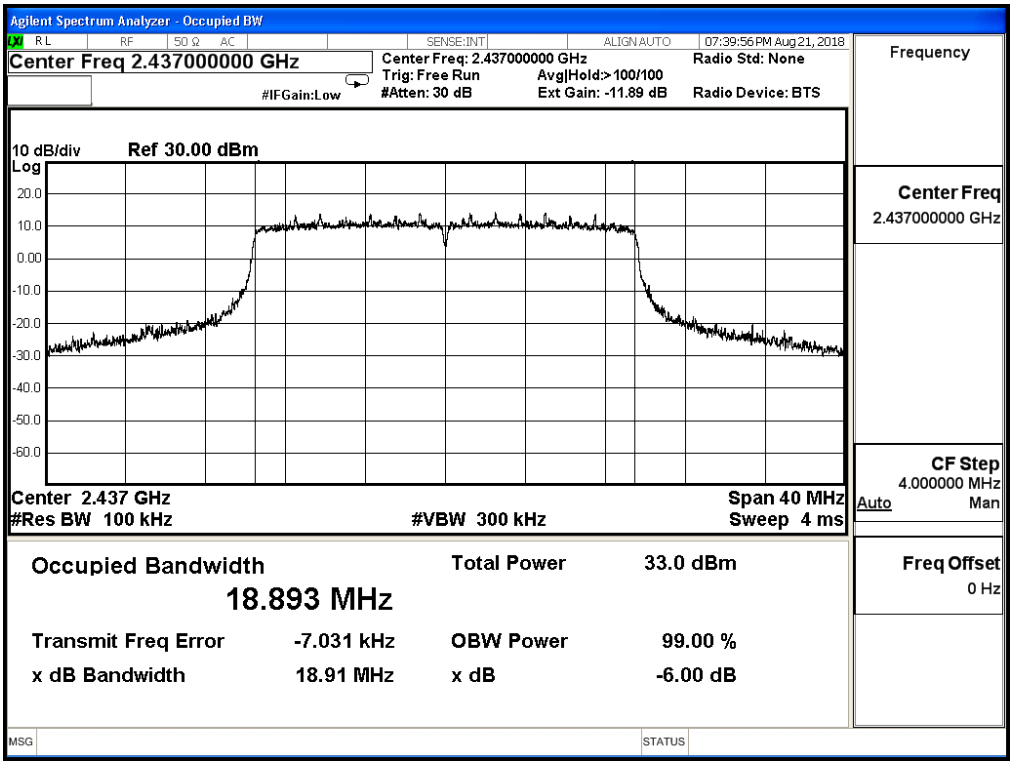
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.930	≧0.5	Pass
6	2437	18.910	≧0.5	Pass
11	2462	18.900	≧0.5	Pass

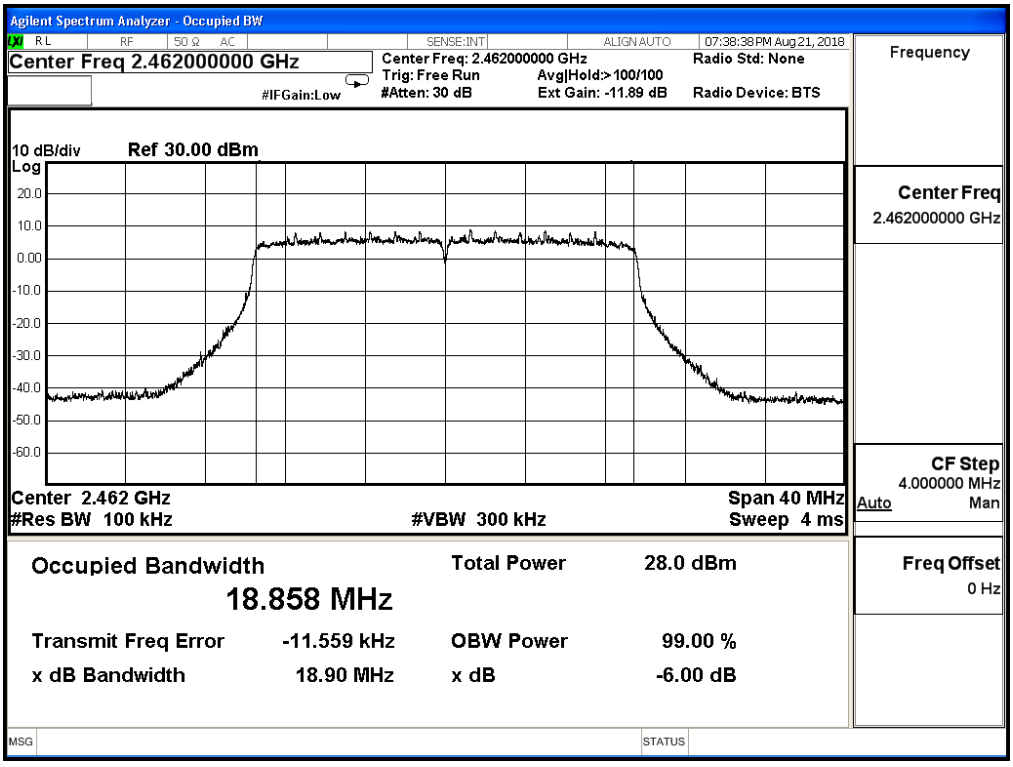
Channel 1 (2412MHz)



Channel 6 (2437MHz)



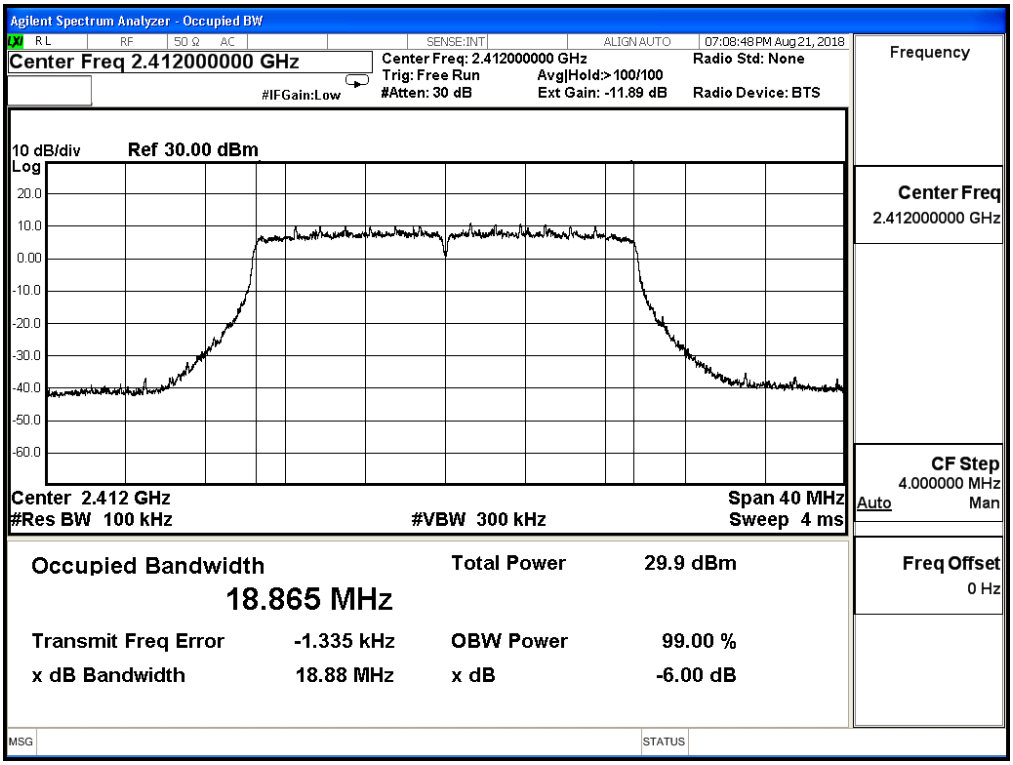
Channel 11 (2462MHz)



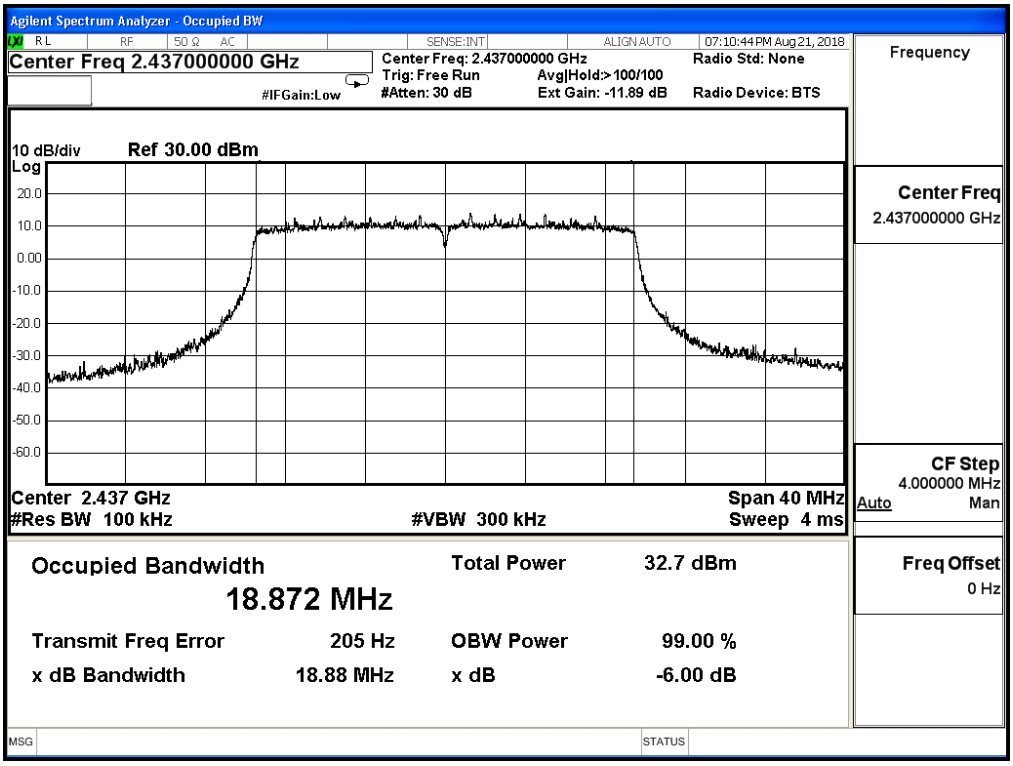
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.880	≧0.5	Pass
6	2437	18.880	≧0.5	Pass
11	2462	18.920	≧0.5	Pass

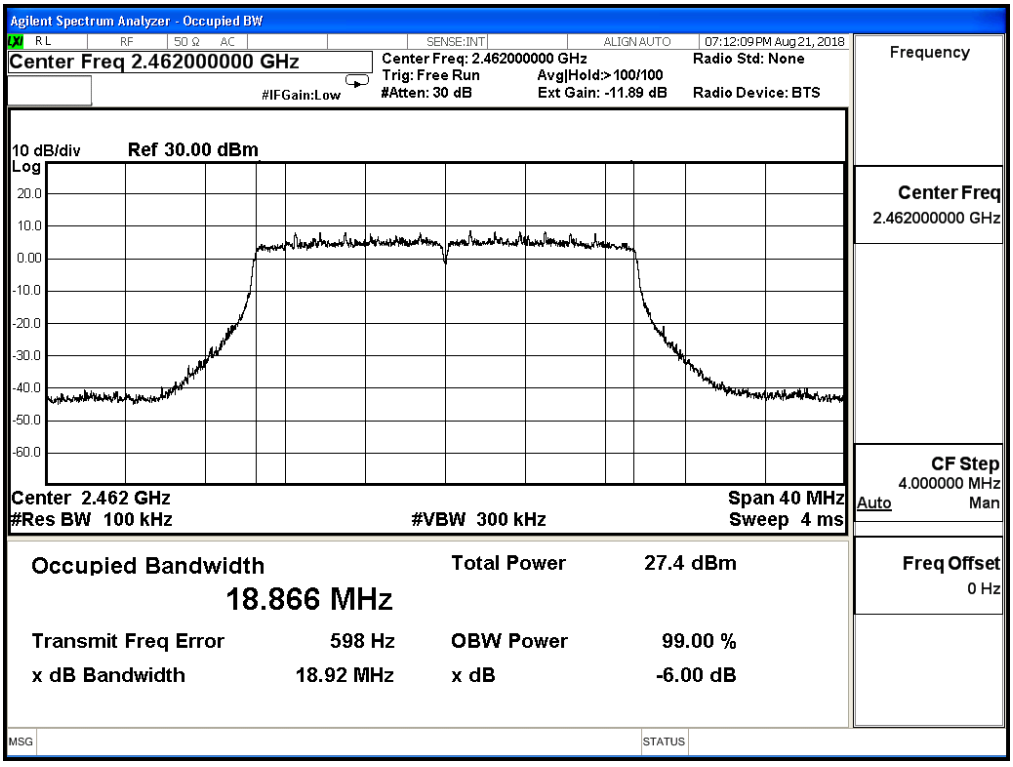
Channel 1 (2412MHz)



Channel 6 (2437MHz)



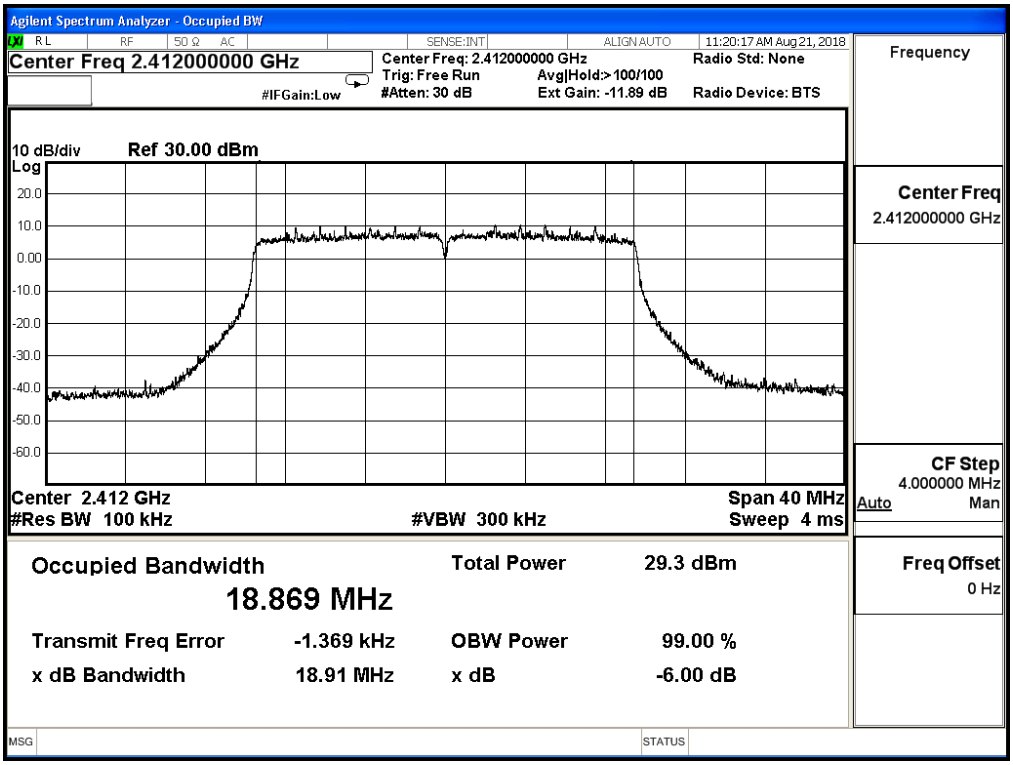
Channel 11 (2462MHz)



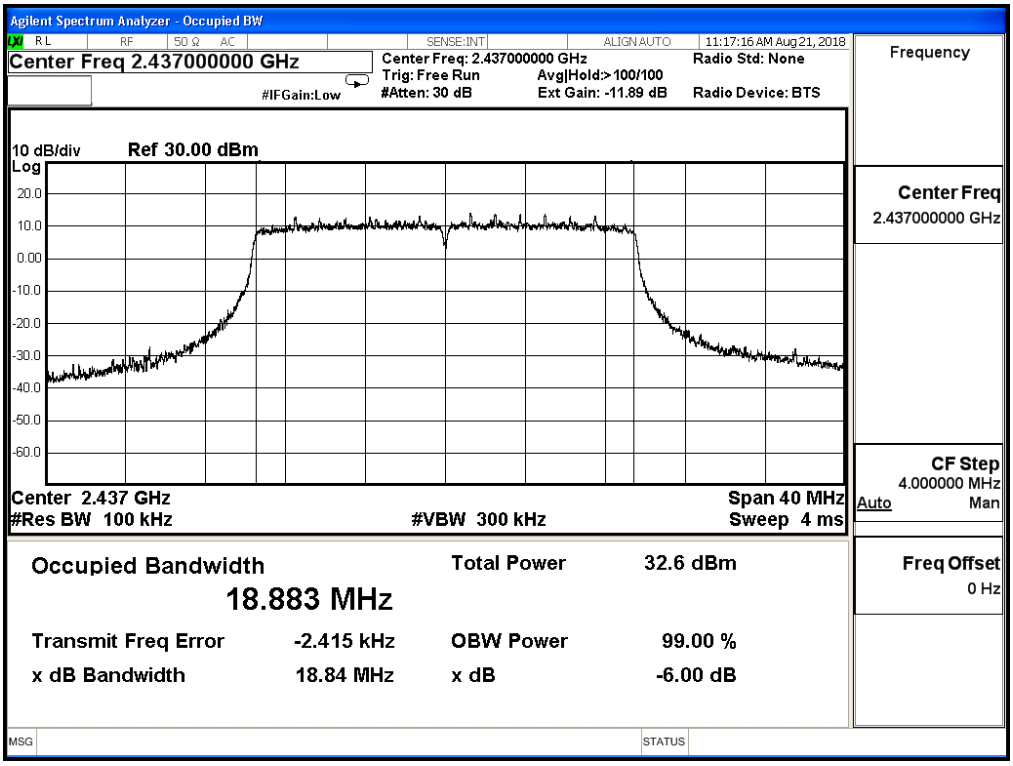
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.910	≧0.5	Pass
6	2437	18.840	≧0.5	Pass
11	2462	18.950	≧0.5	Pass

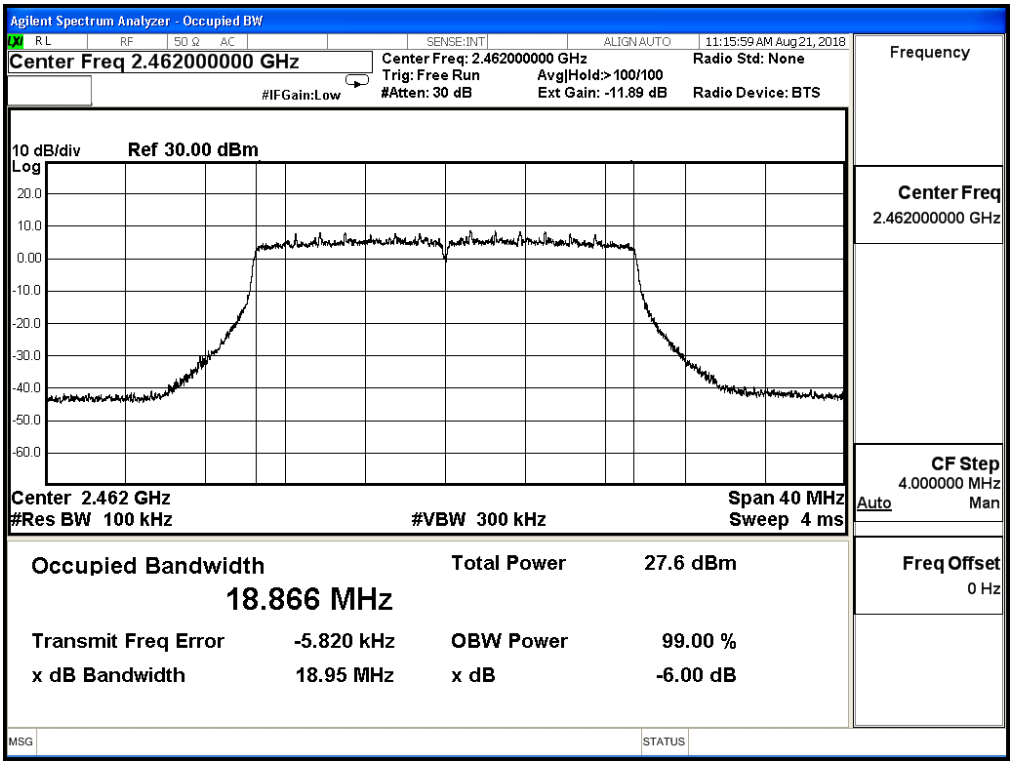
Channel 1 (2412MHz)



Channel 6 (2437MHz)



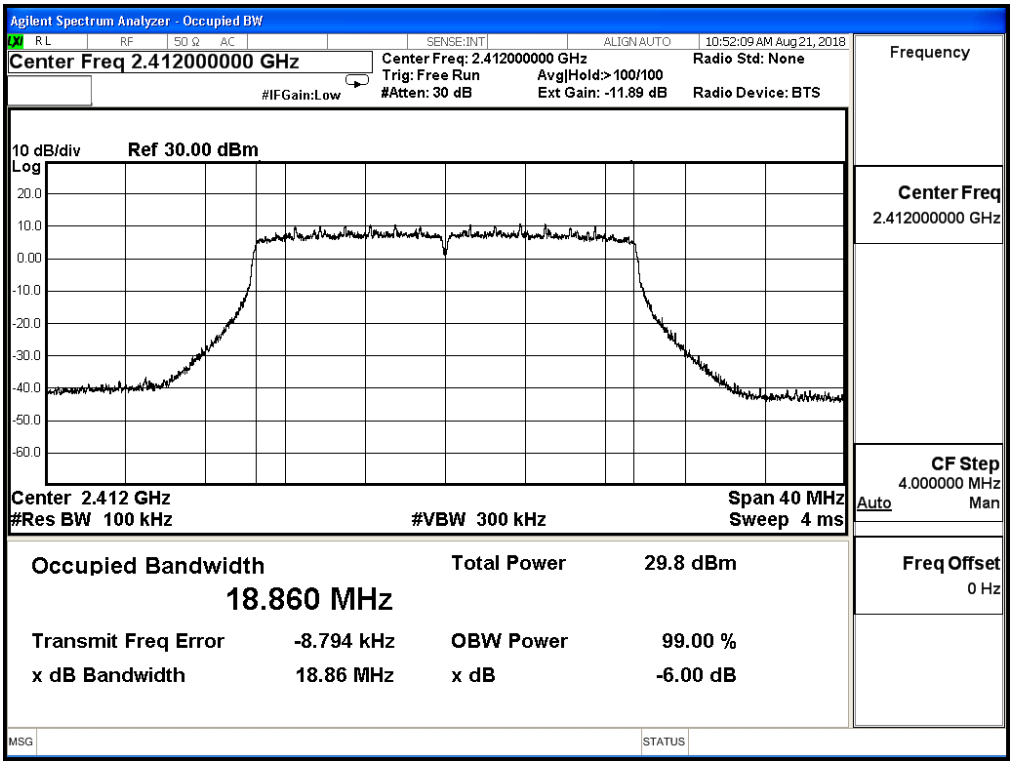
Channel 11 (2462MHz)



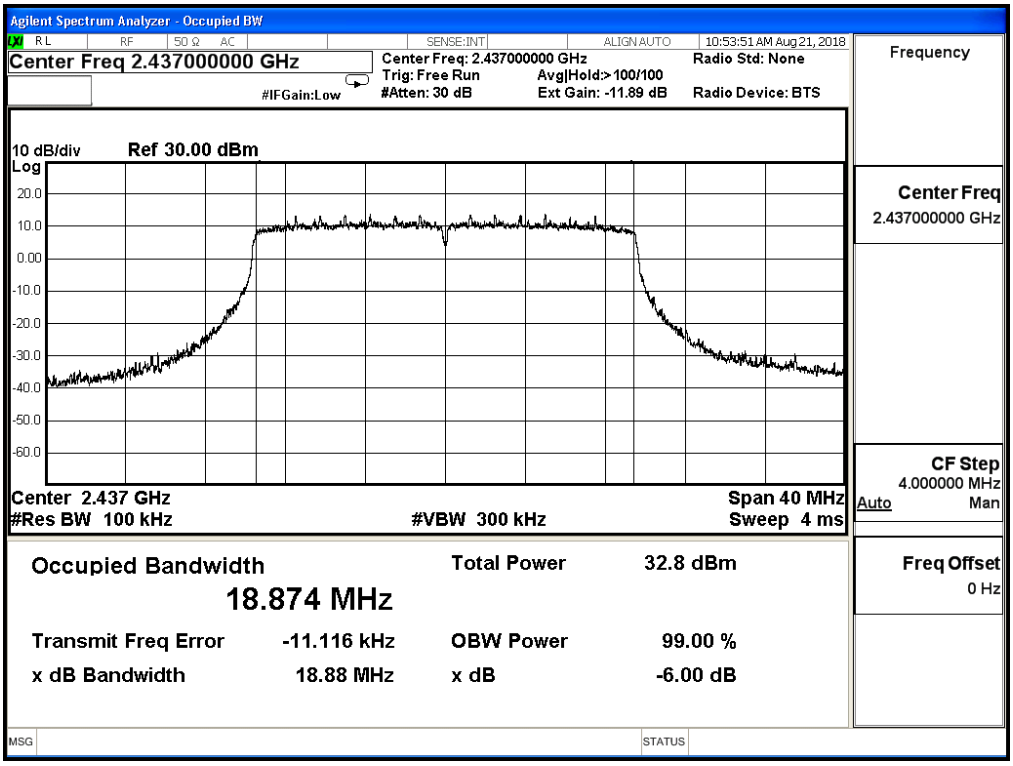
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.860	≧0.5	Pass
6	2437	18.880	≧0.5	Pass
11	2462	18.850	≧0.5	Pass

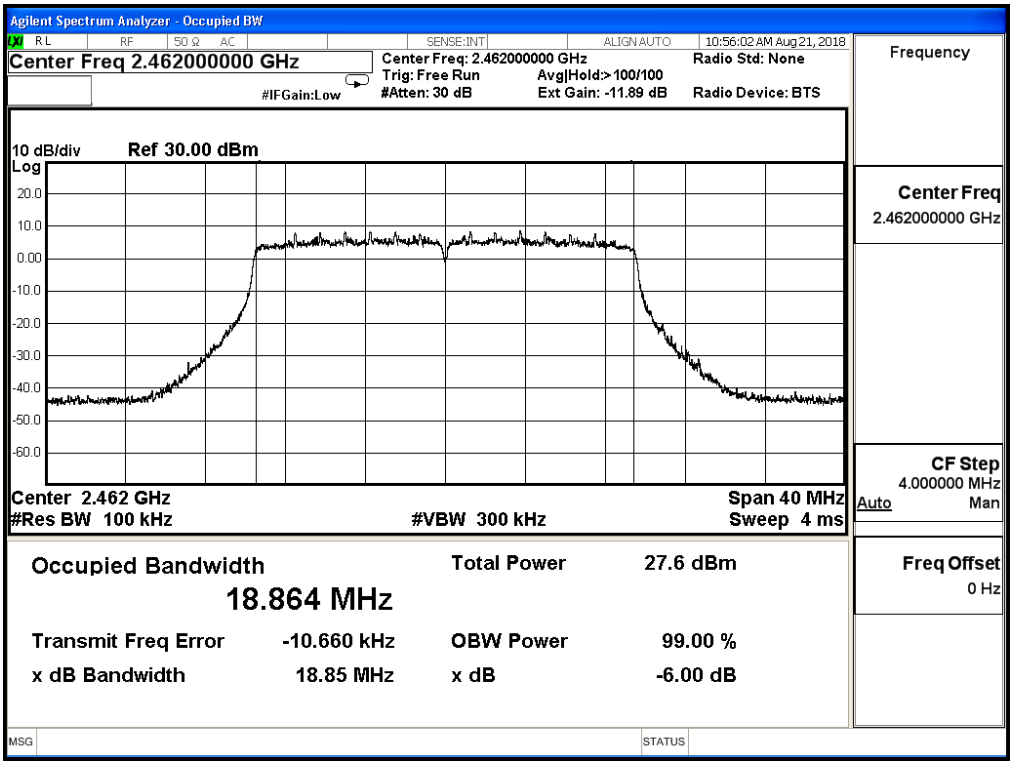
Channel 1 (2412MHz)



Channel 6 (2437MHz)



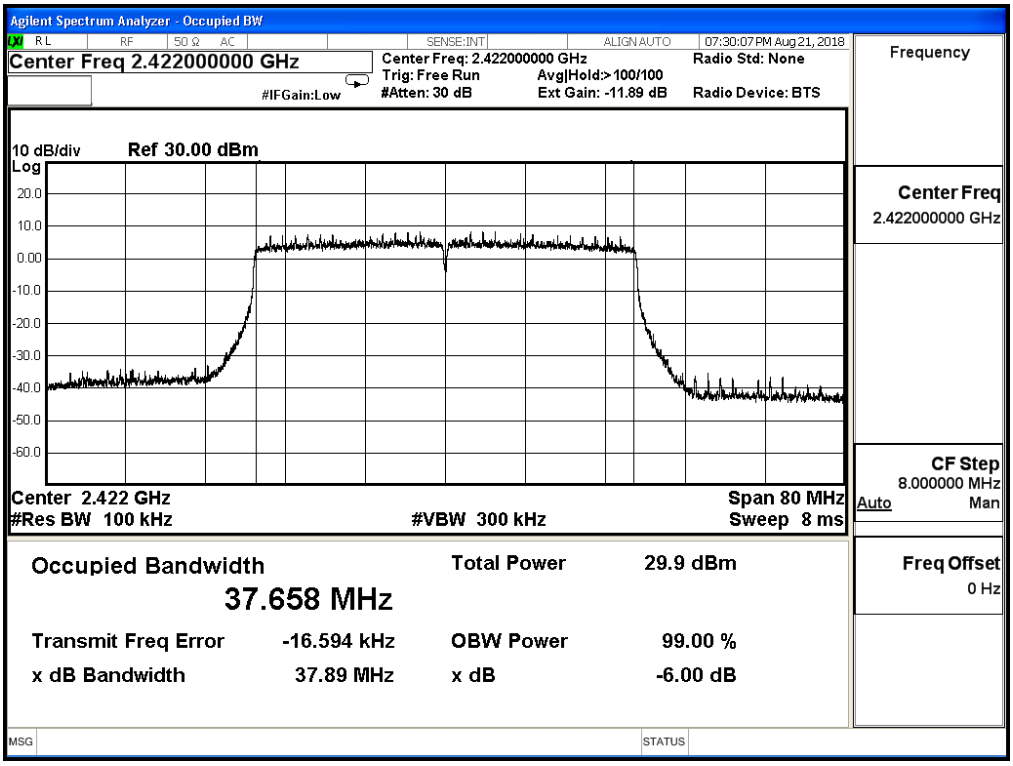
Channel 11 (2462MHz)



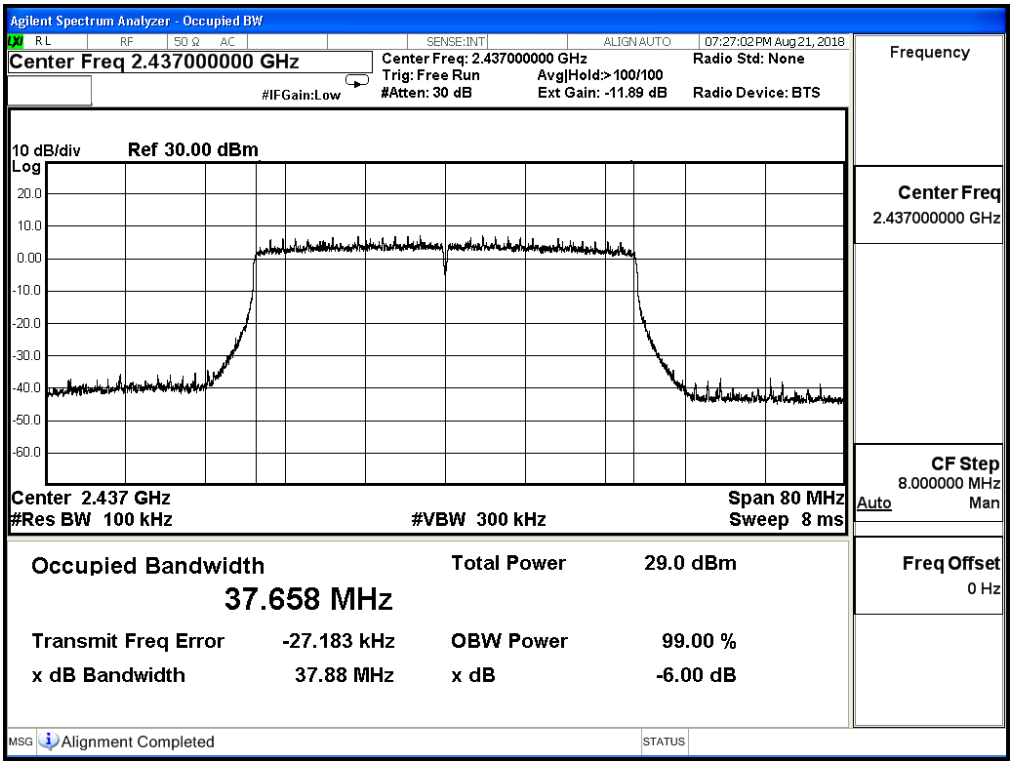
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.890	≧0.5	Pass
6	2437	37.880	≧0.5	Pass
9	2452	37.850	≧0.5	Pass

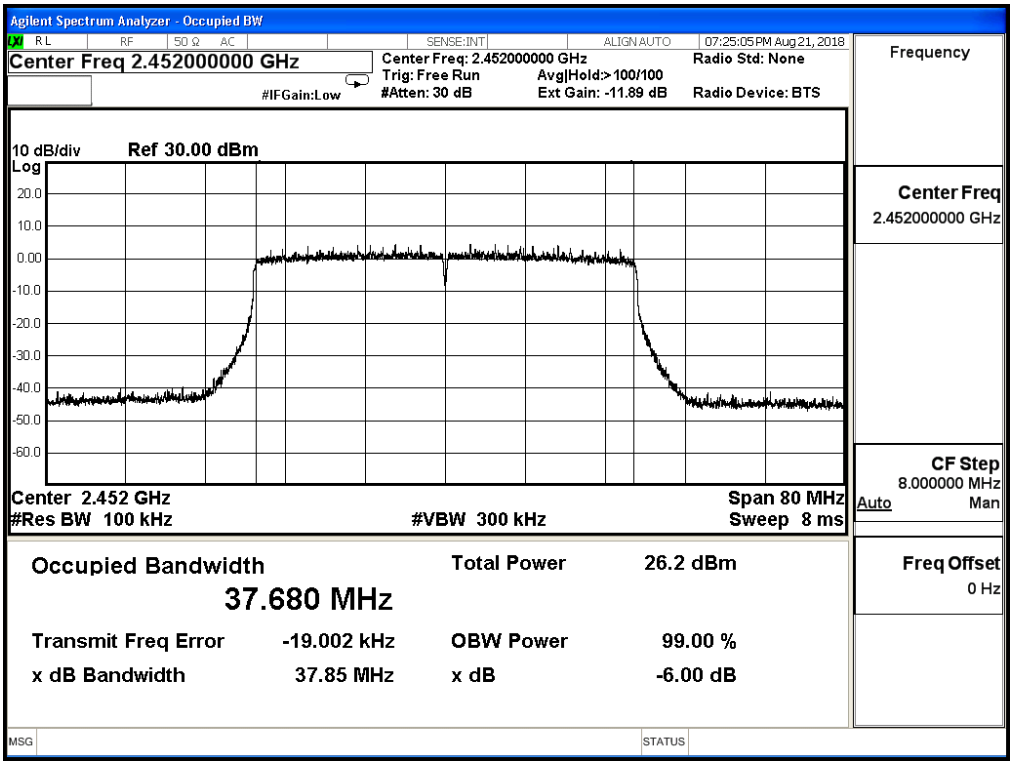
Channel 3 (2422MHz)



Channel 6 (2437MHz)



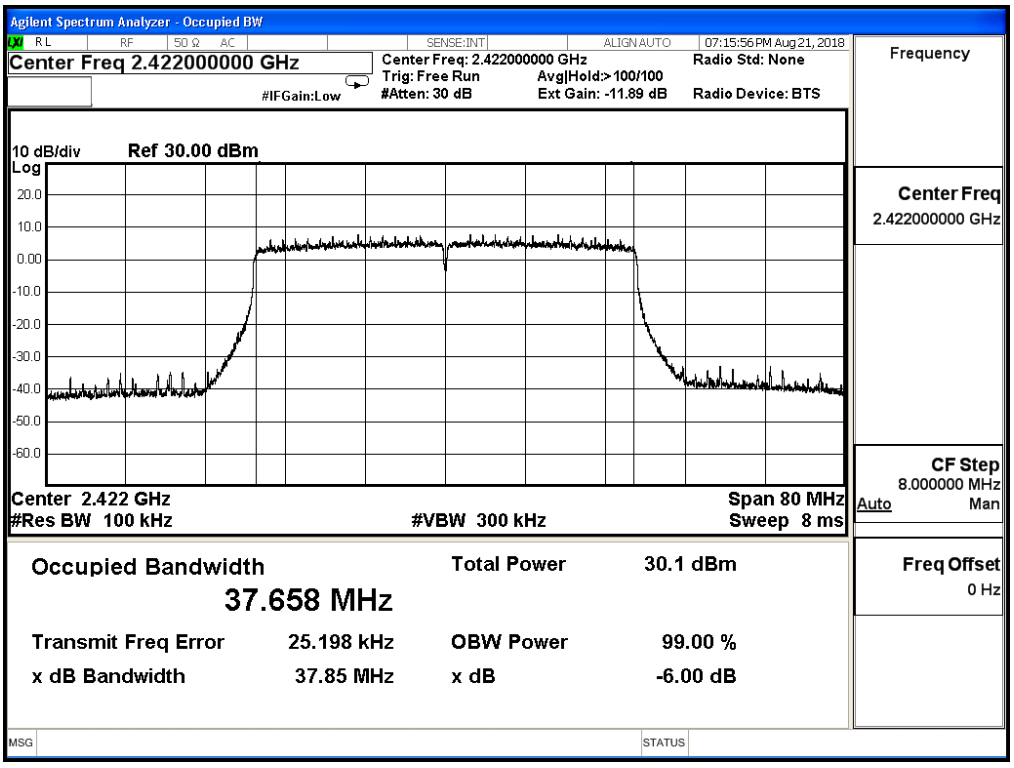
Channel 9 (2452MHz)



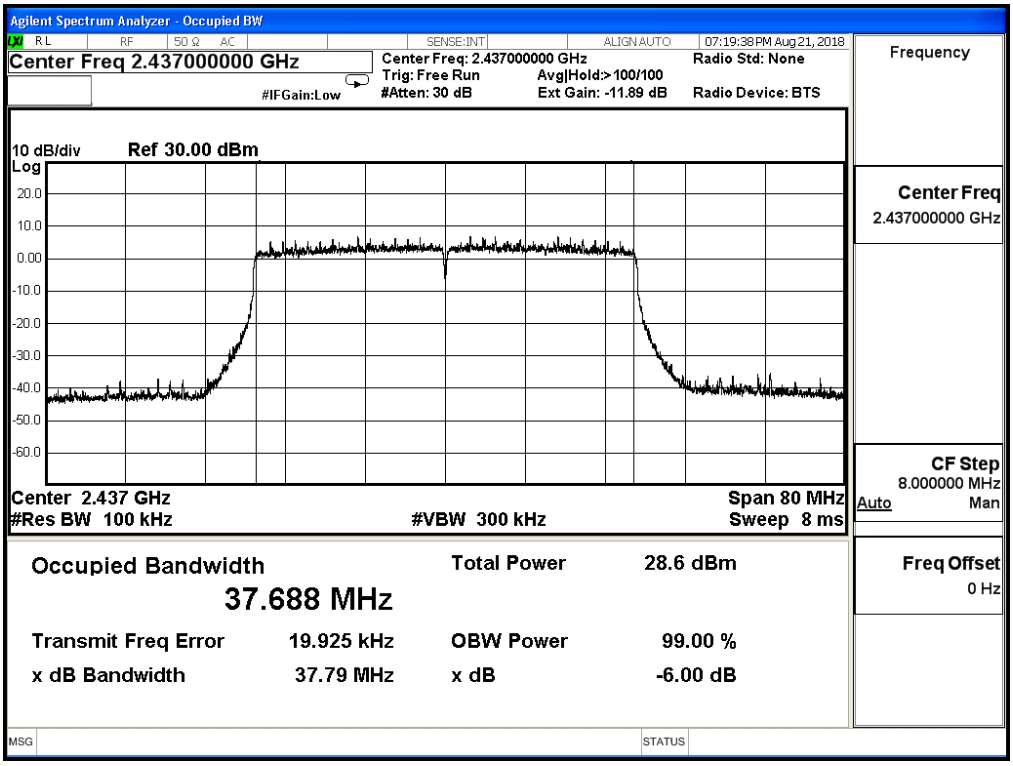
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.850	≧0.5	Pass
6	2437	37.790	≧0.5	Pass
9	2452	37.810	≧0.5	Pass

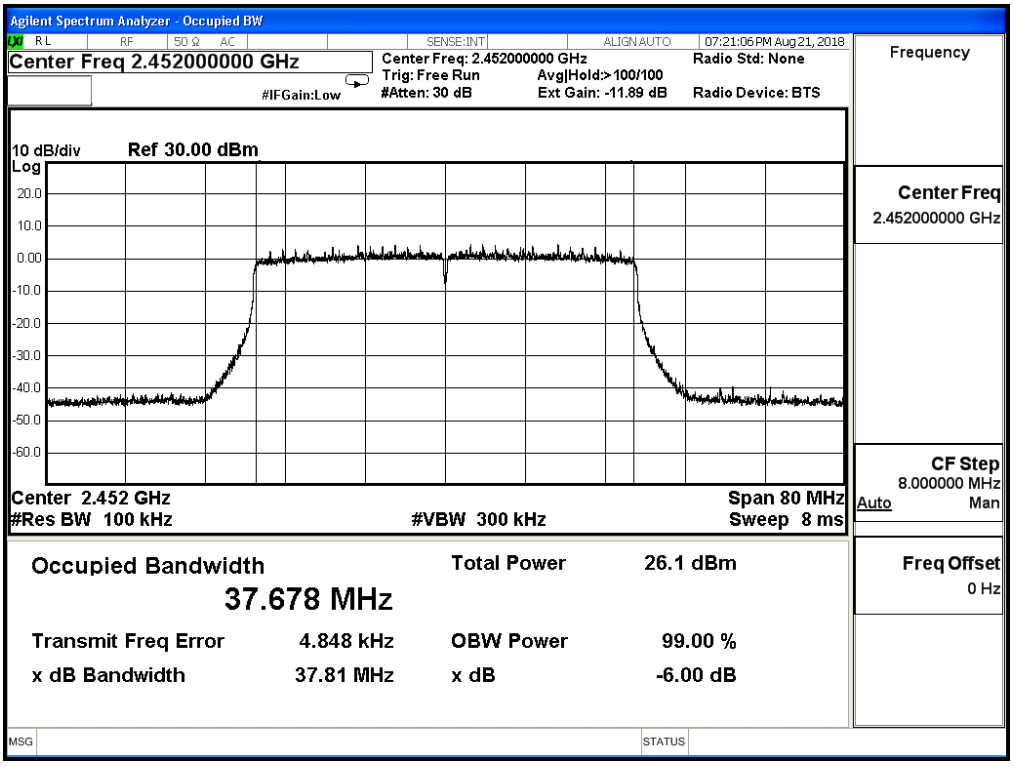
Channel 3 (2422MHz)



Channel 6 (2437MHz)



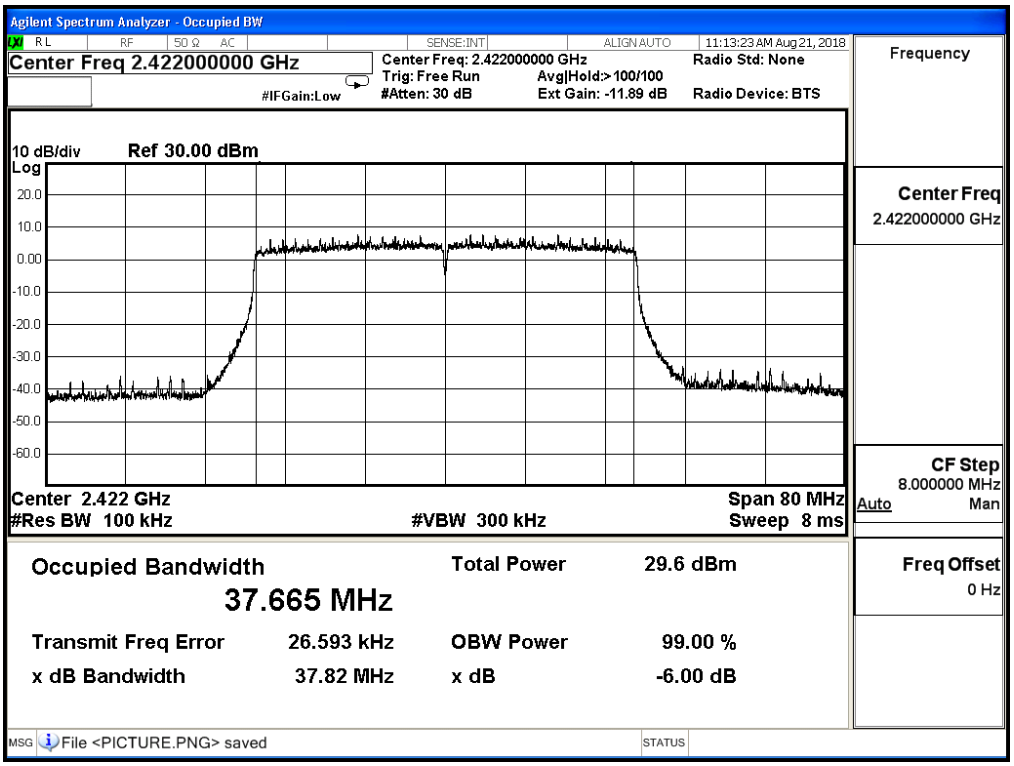
Channel 9 (2452MHz)



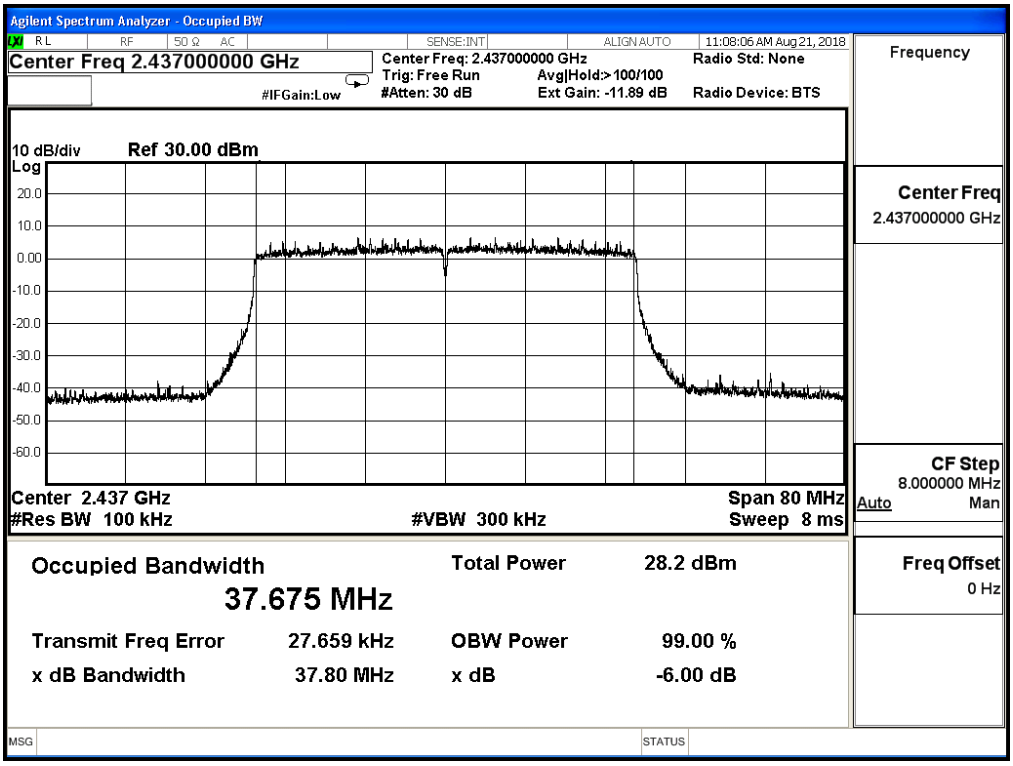
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 2)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.820	≧0.5	Pass
6	2437	37.800	≧0.5	Pass
9	2452	37.860	≧0.5	Pass

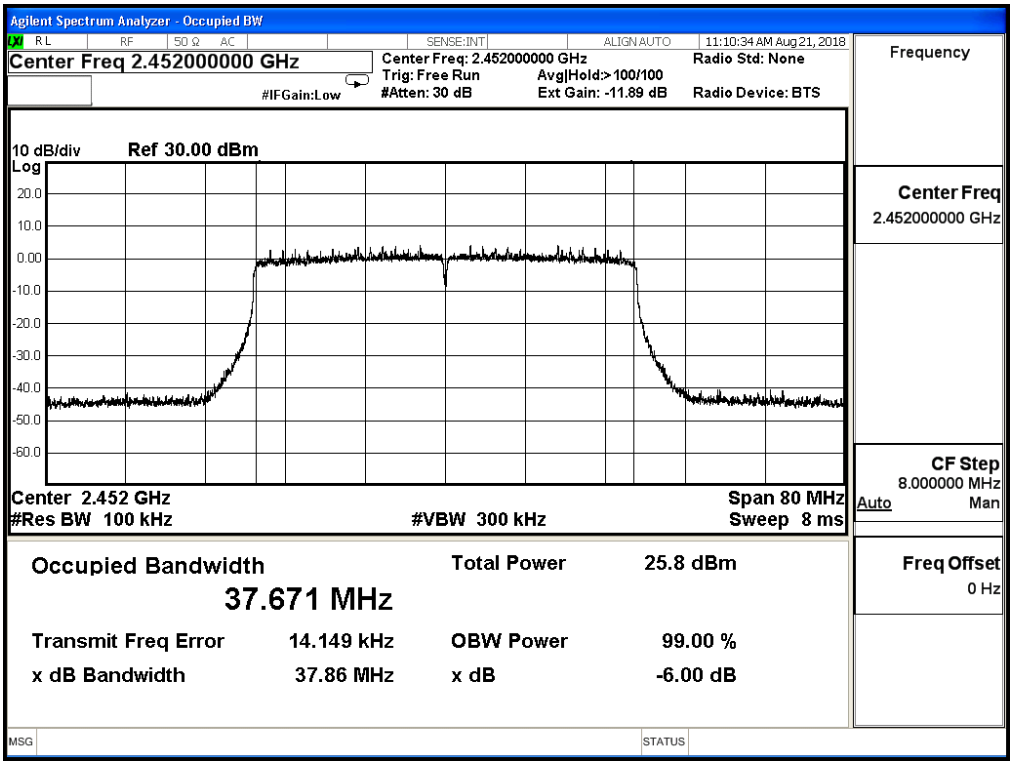
Channel 3 (2422MHz)



Channel 6 (2437MHz)



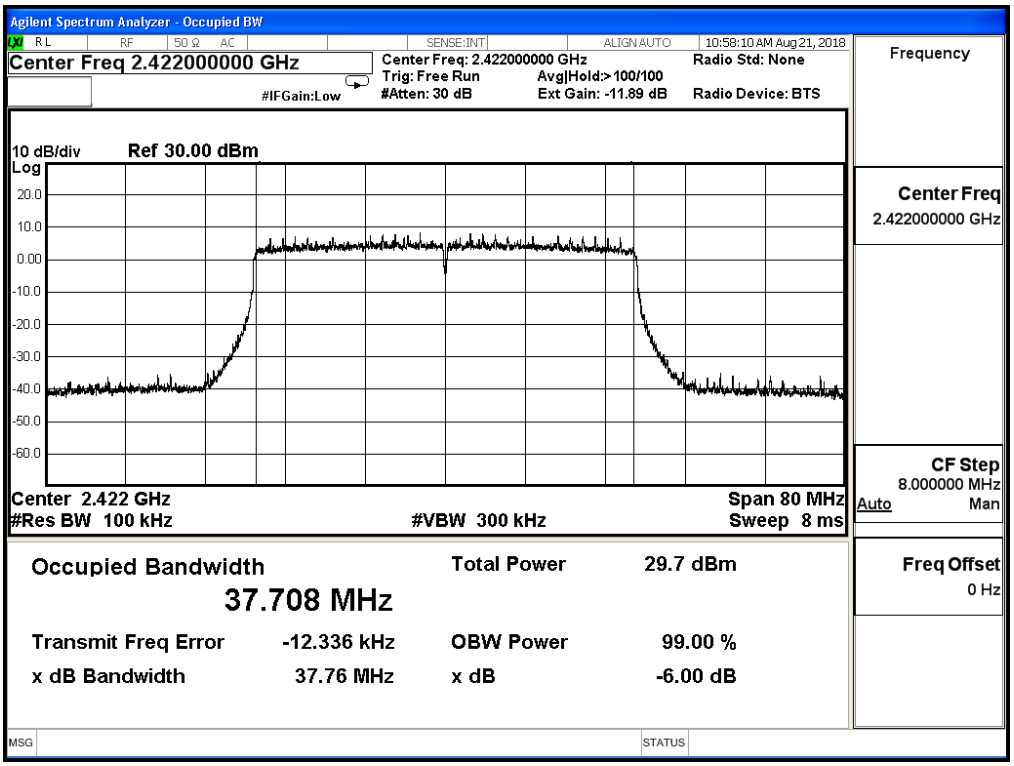
Channel 9 (2452MHz)



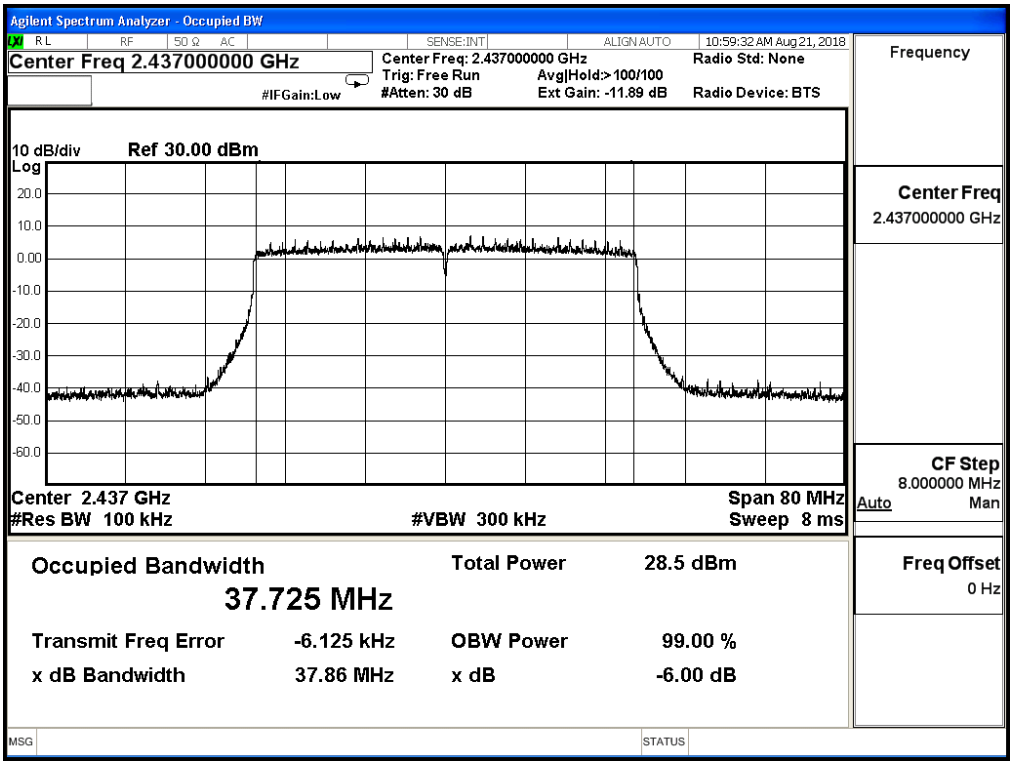
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 3)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.760	≧0.5	Pass
6	2437	37.860	≧0.5	Pass
9	2452	37.830	≧0.5	Pass

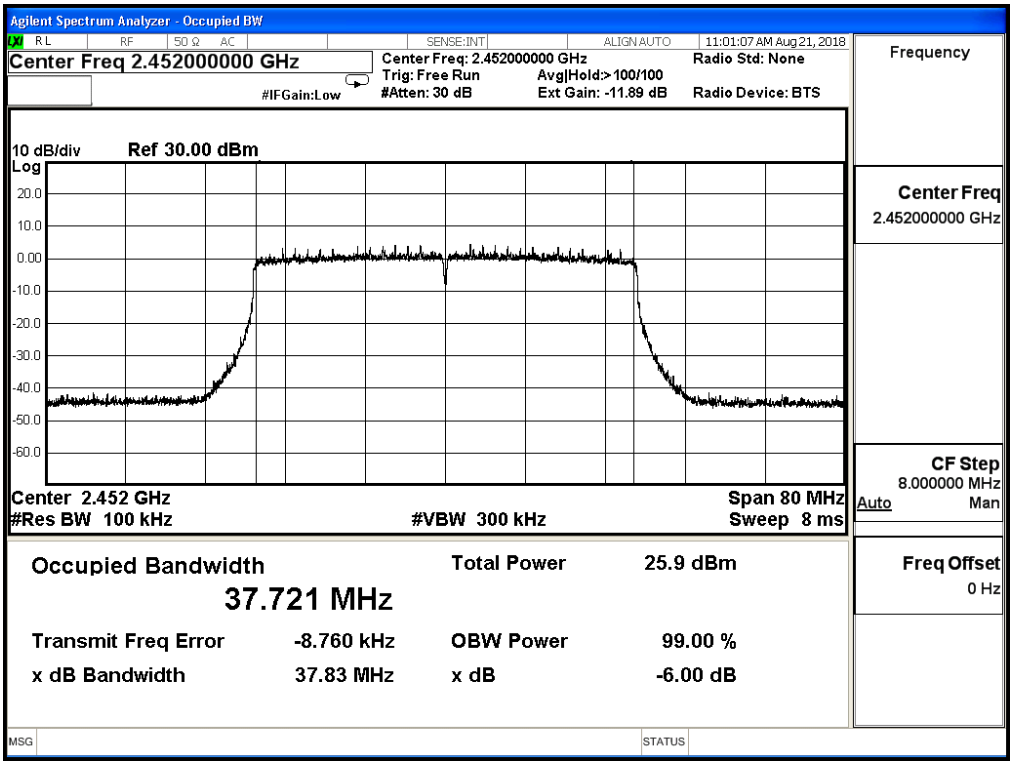
Channel 3 (2422MHz)



Channel 6 (2437MHz)

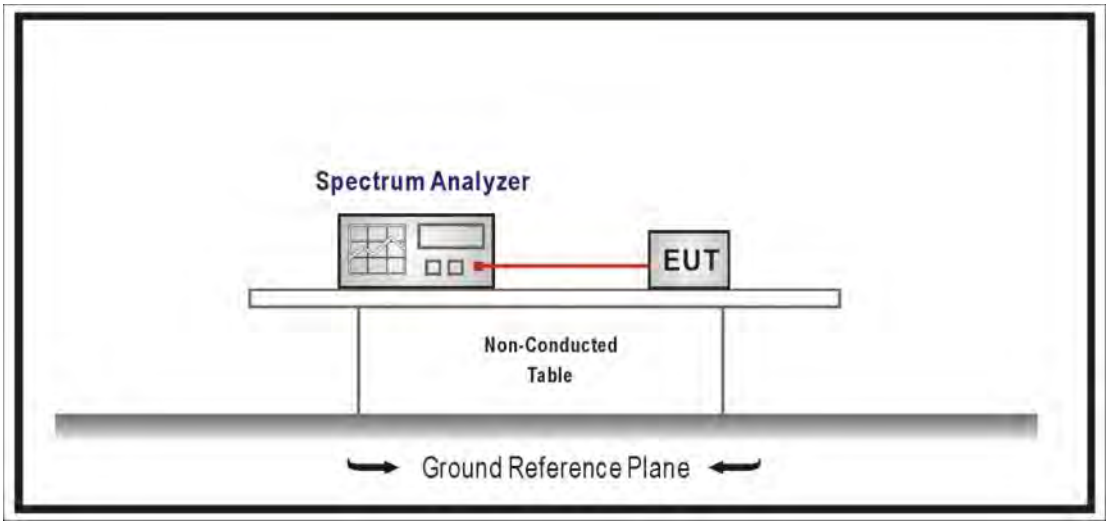


Channel 9 (2452MHz)



8. Occupied Bandwidth

8.1. Test Setup



8.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 D01 V04 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 1-5% of the OBW, Set the VBW≧3xRBW, Sweep Time=Auto.

8.3. Limits

N/A

8.4. Test Specification

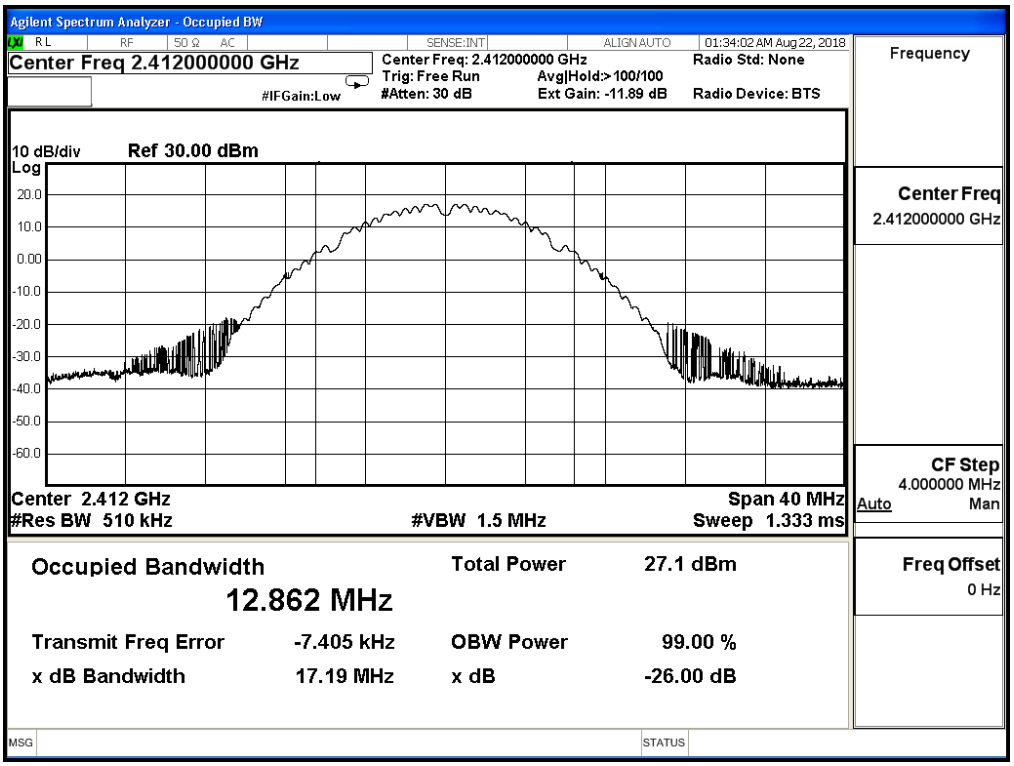
According to FCC Part 15 Subpart C Paragraph 15.247: 2017

8.5. Test Result

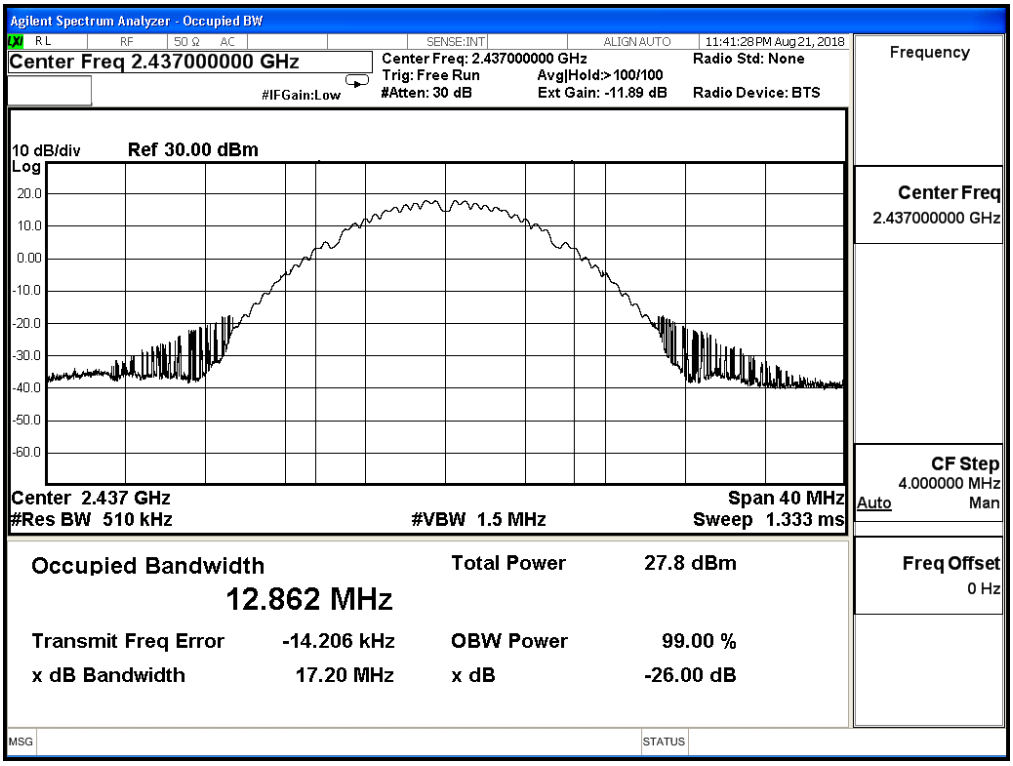
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11b (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	12.862	---
6	2437	12.862	---
11	2462	12.877	---

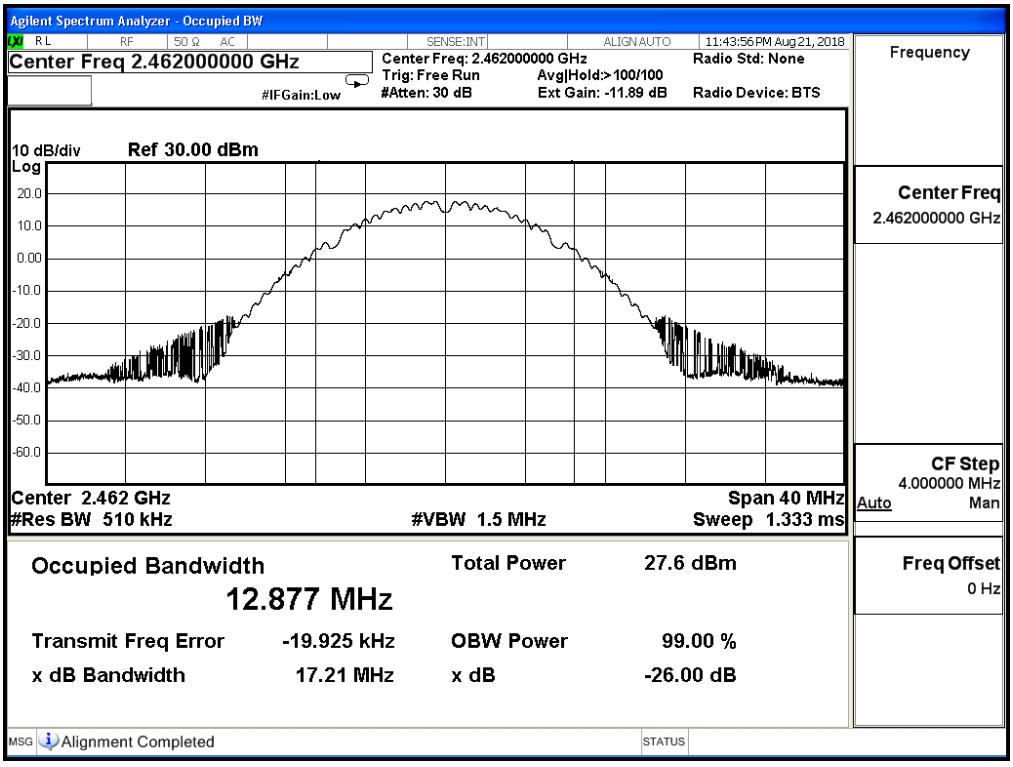
Channel 1 (2412MHz)



Channel 6 (2437MHz)



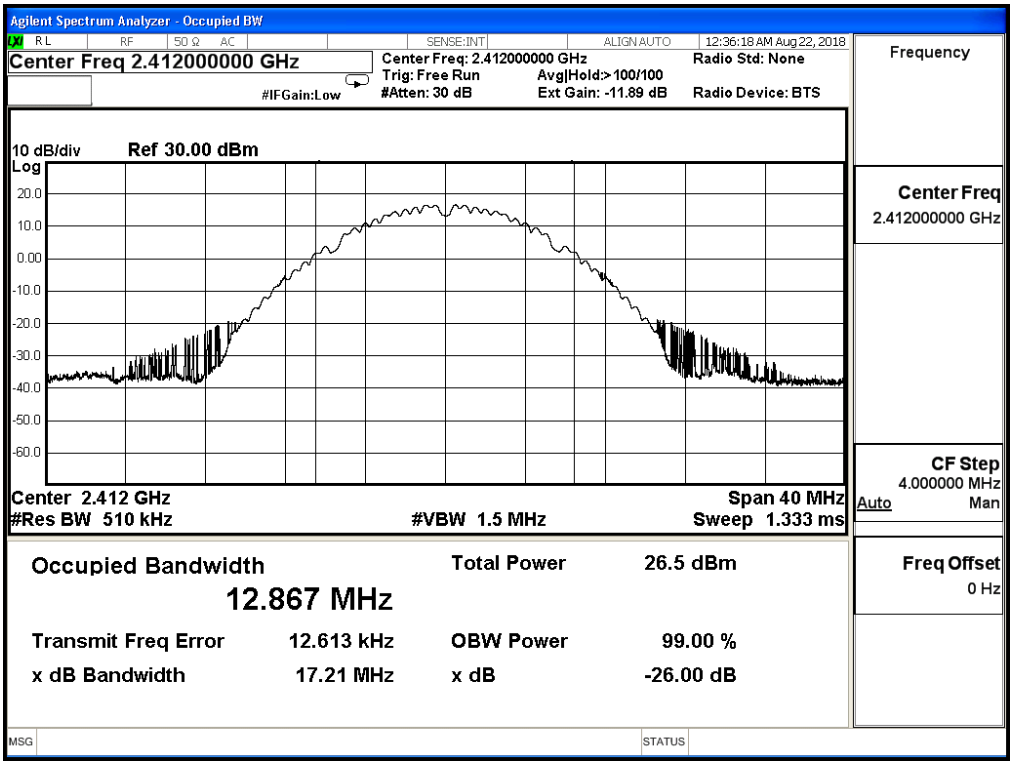
Channel 11 (2462MHz)



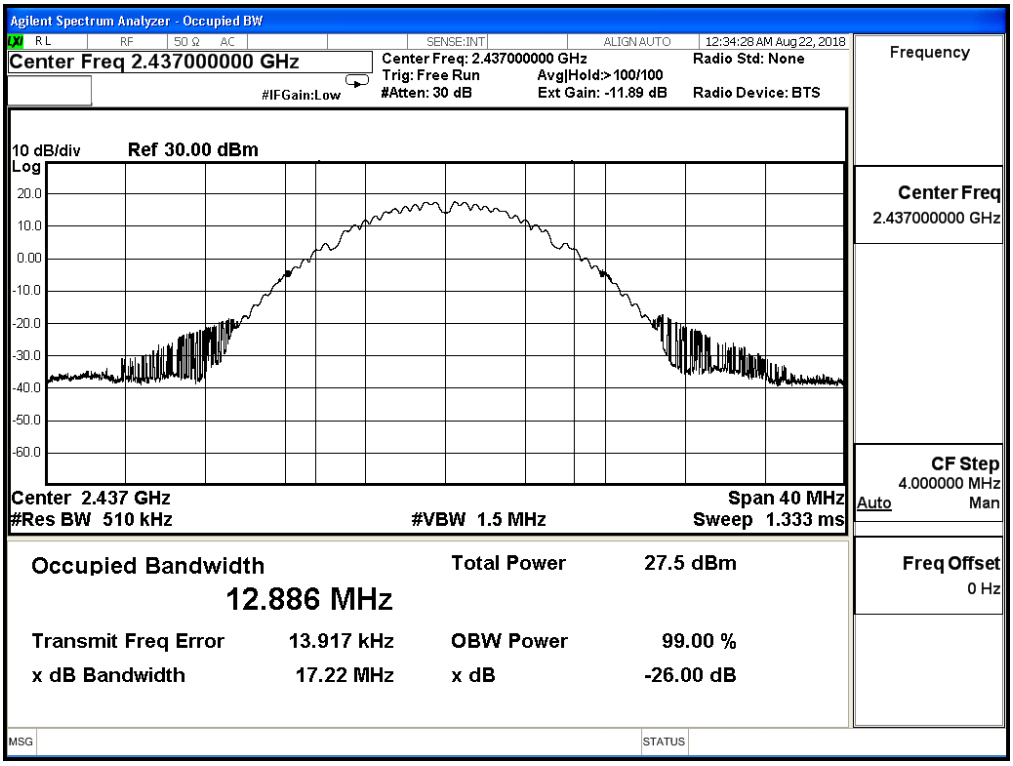
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	12.867	---
6	2437	12.886	---
11	2462	12.865	---

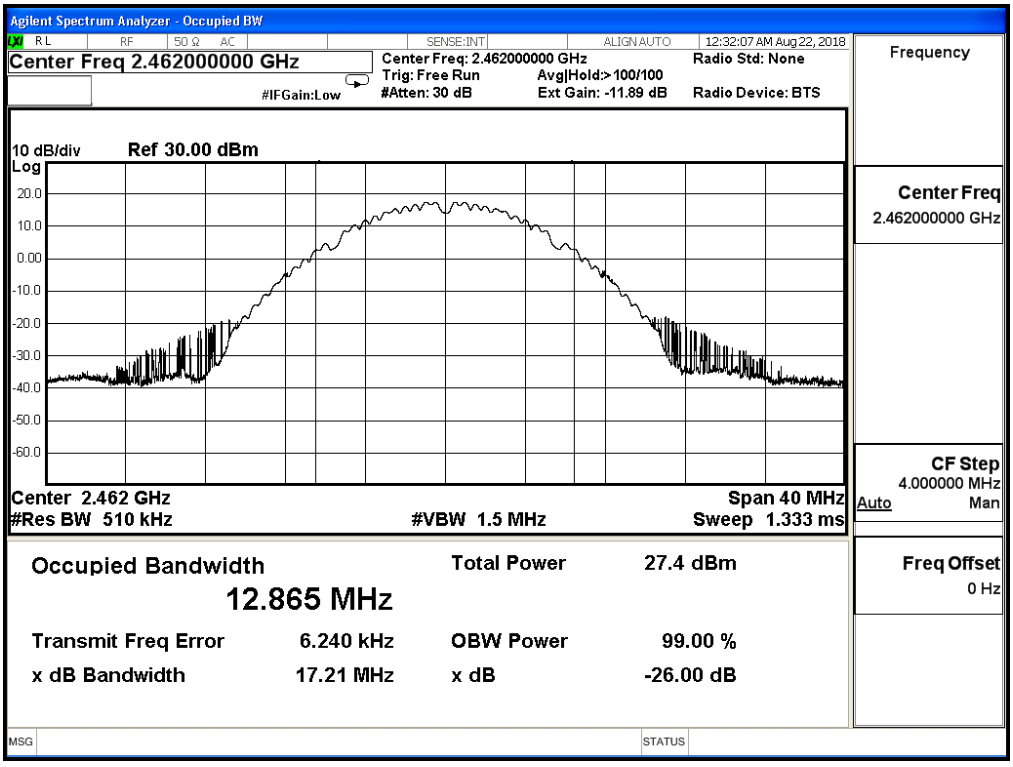
Channel 1 (2412MHz)



Channel 6 (2437MHz)



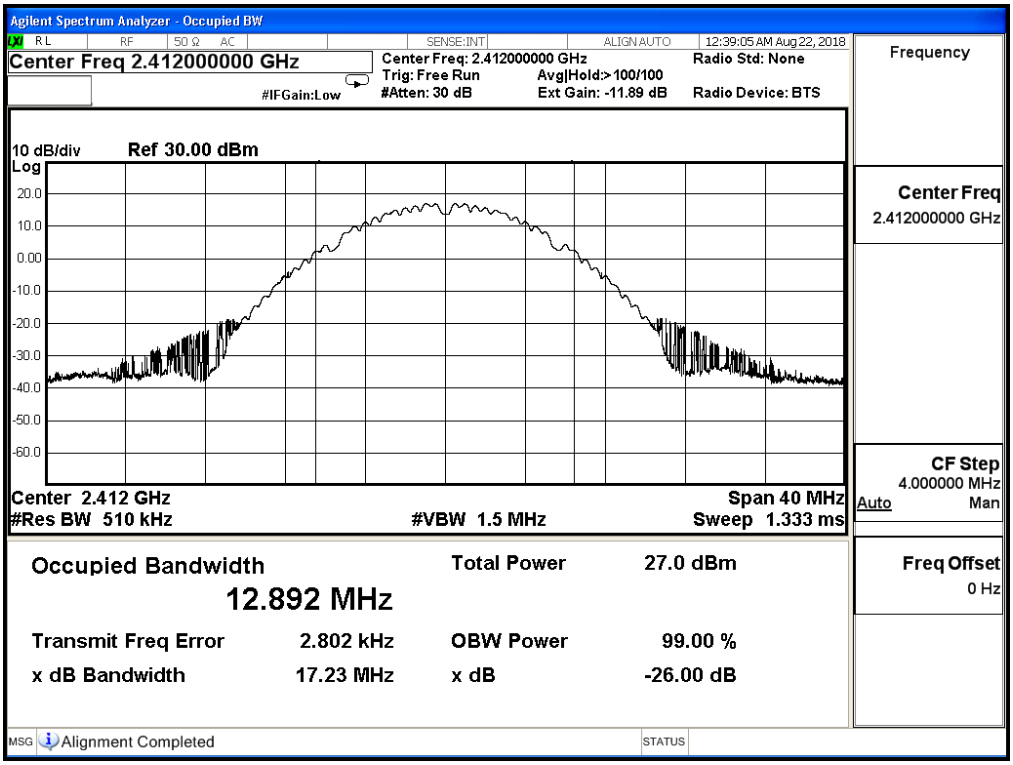
Channel 11 (2462MHz)



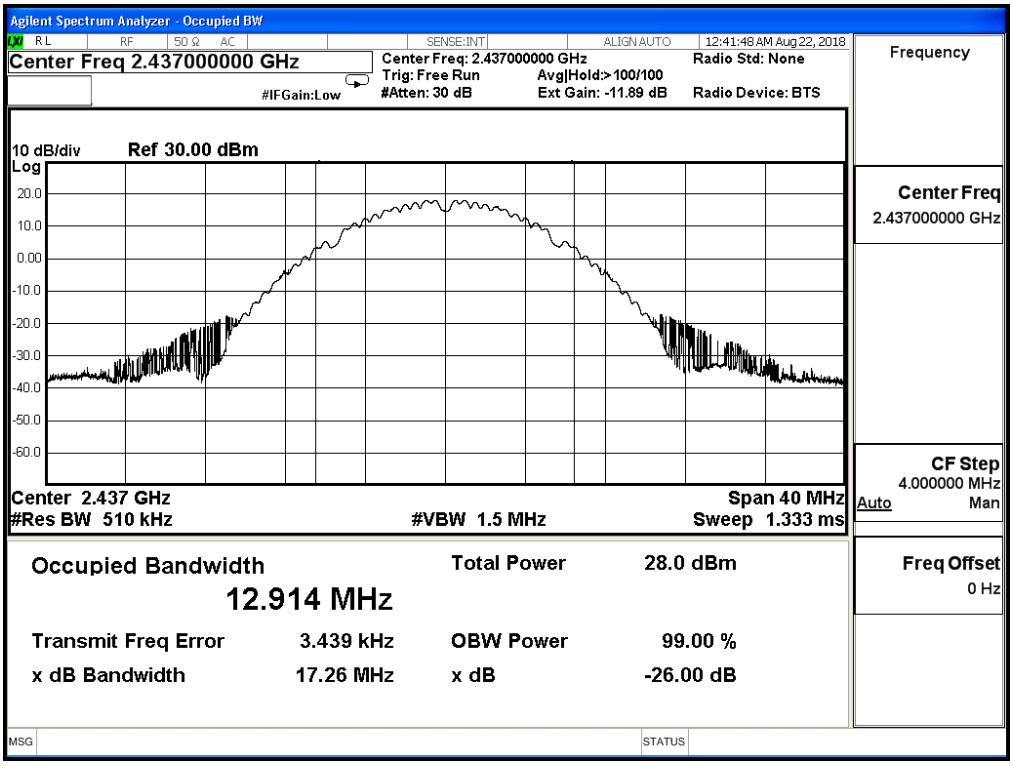
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11b (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	12.892	---
6	2437	12.914	---
11	2462	12.902	---

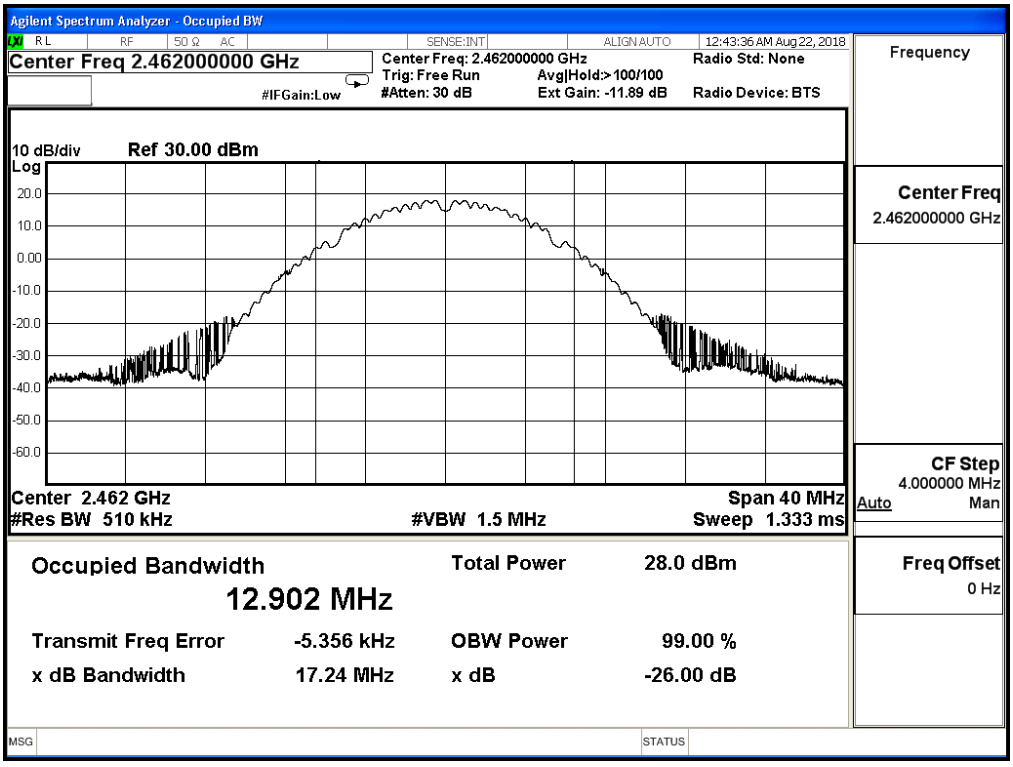
Channel 1 (2412MHz)



Channel 6 (2437MHz)



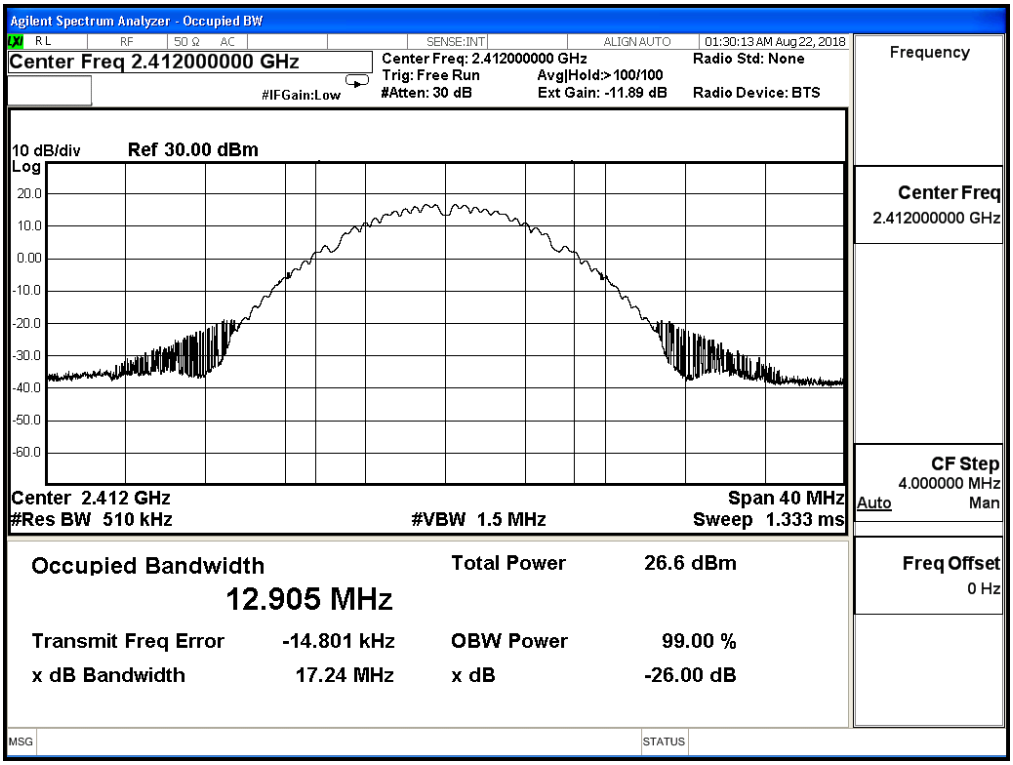
Channel 11 (2462MHz)



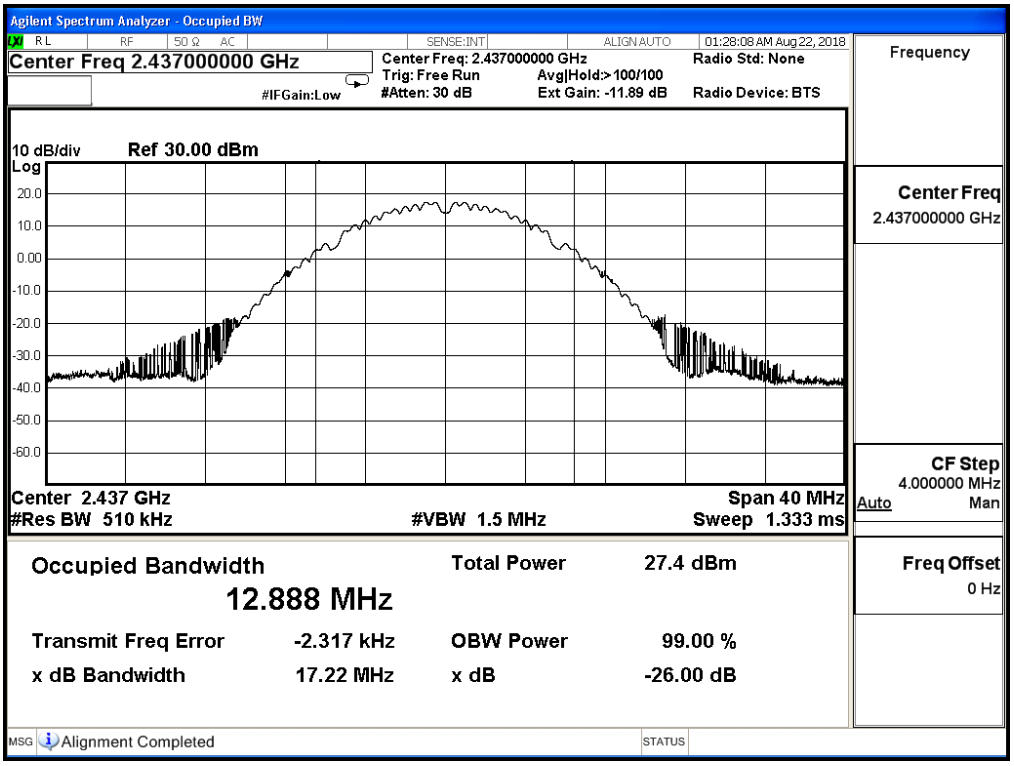
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11b (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	12.905	---
6	2437	12.888	---
11	2462	12.911	---

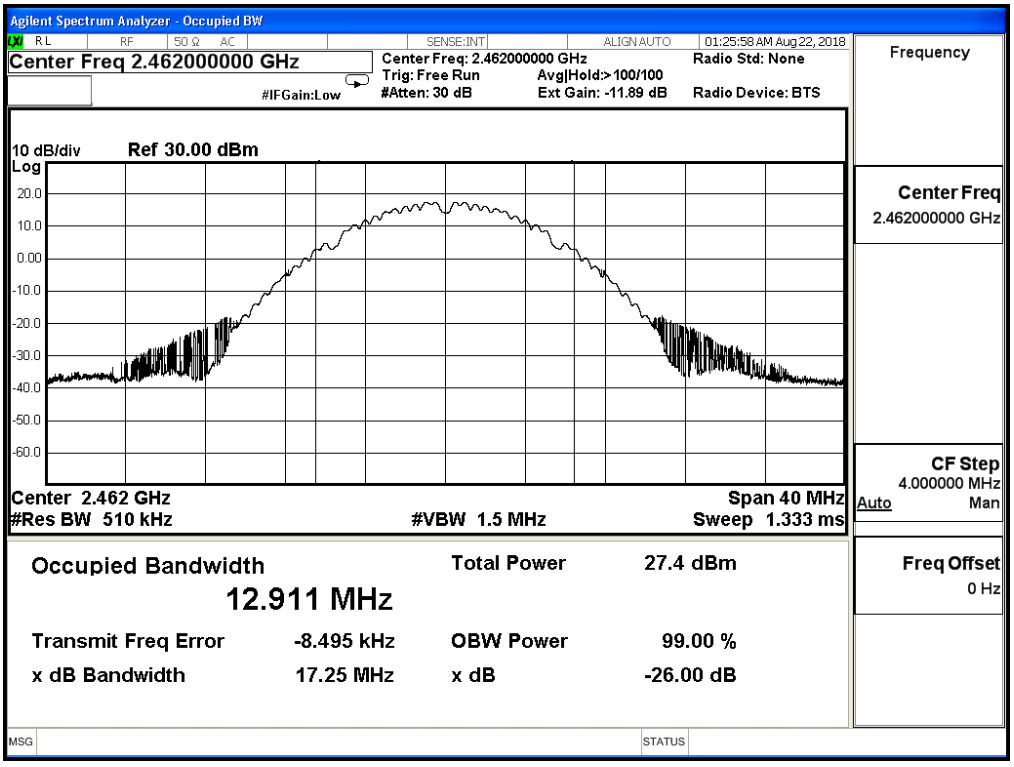
Channel 1 (2412MHz)



Channel 6 (2437MHz)



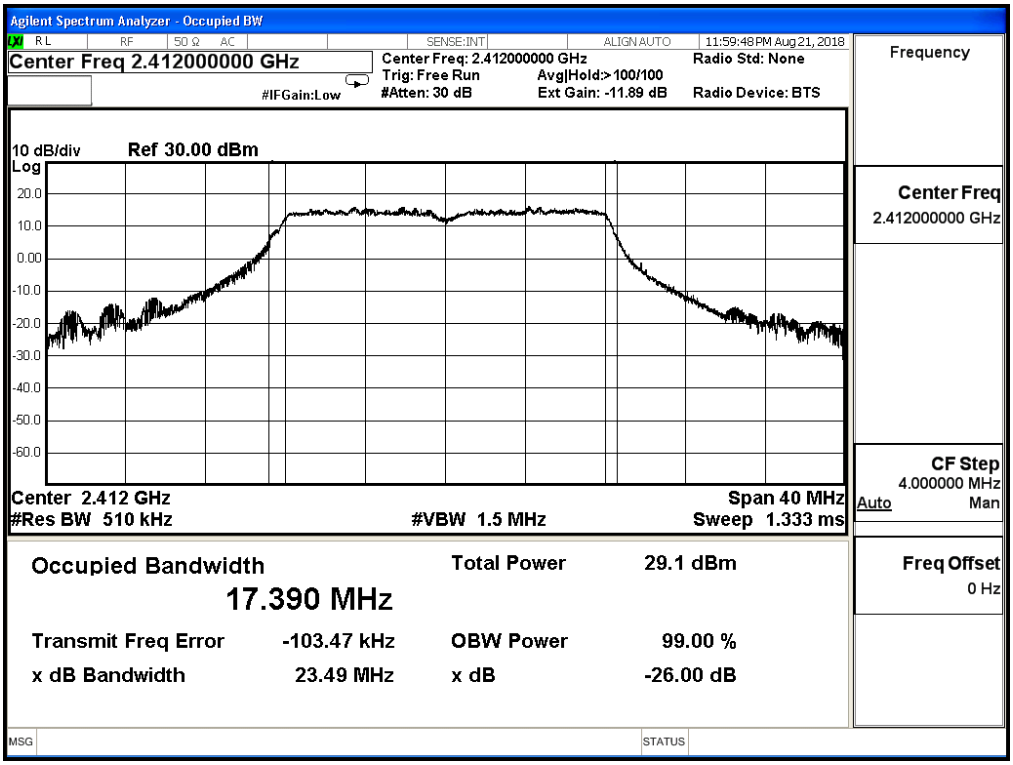
Channel 11 (2462MHz)



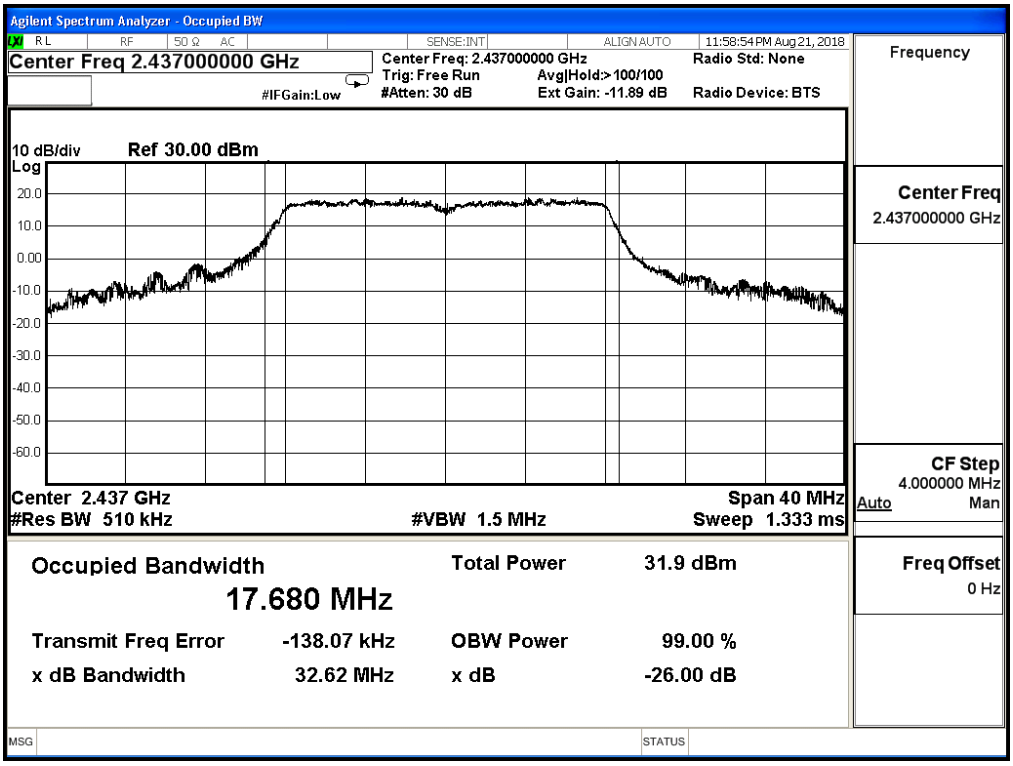
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.390	---
6	2437	17.680	---
11	2462	17.140	---

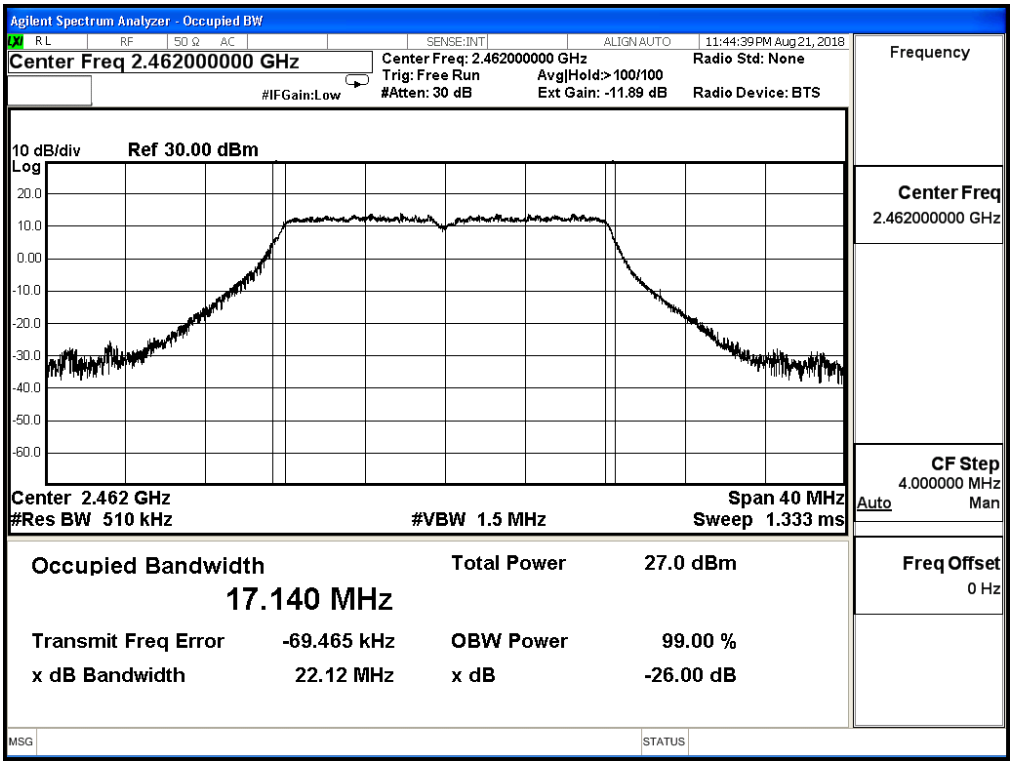
Channel 1 (2412MHz)



Channel 6 (2437MHz)



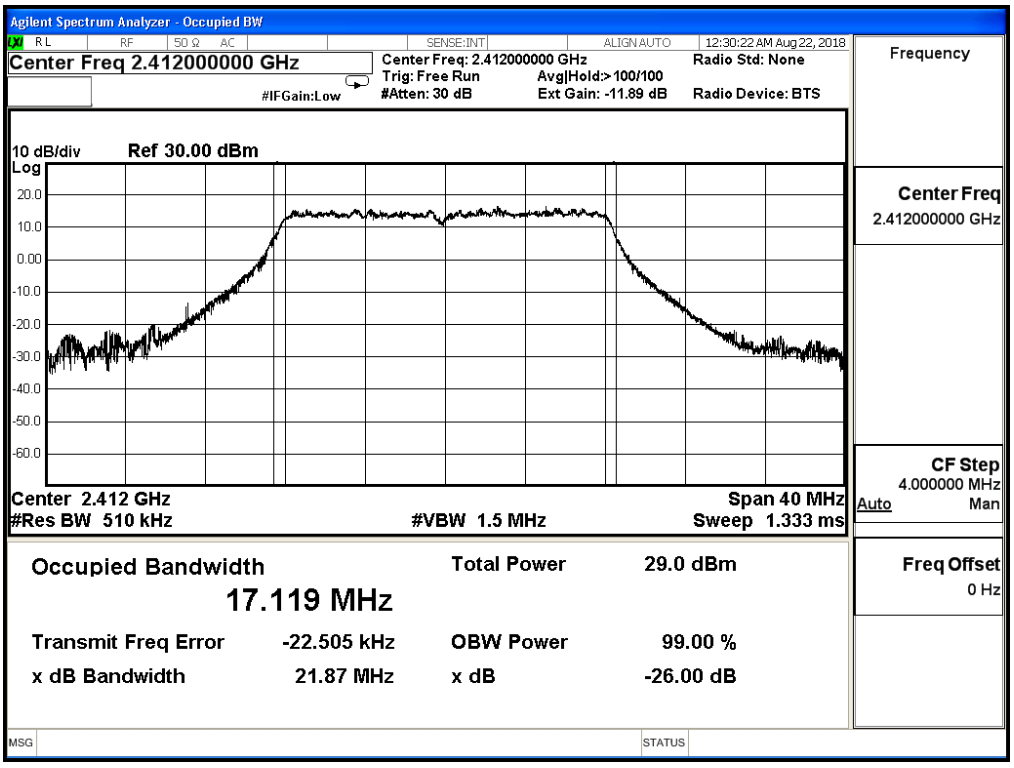
Channel 11 (2462MHz)



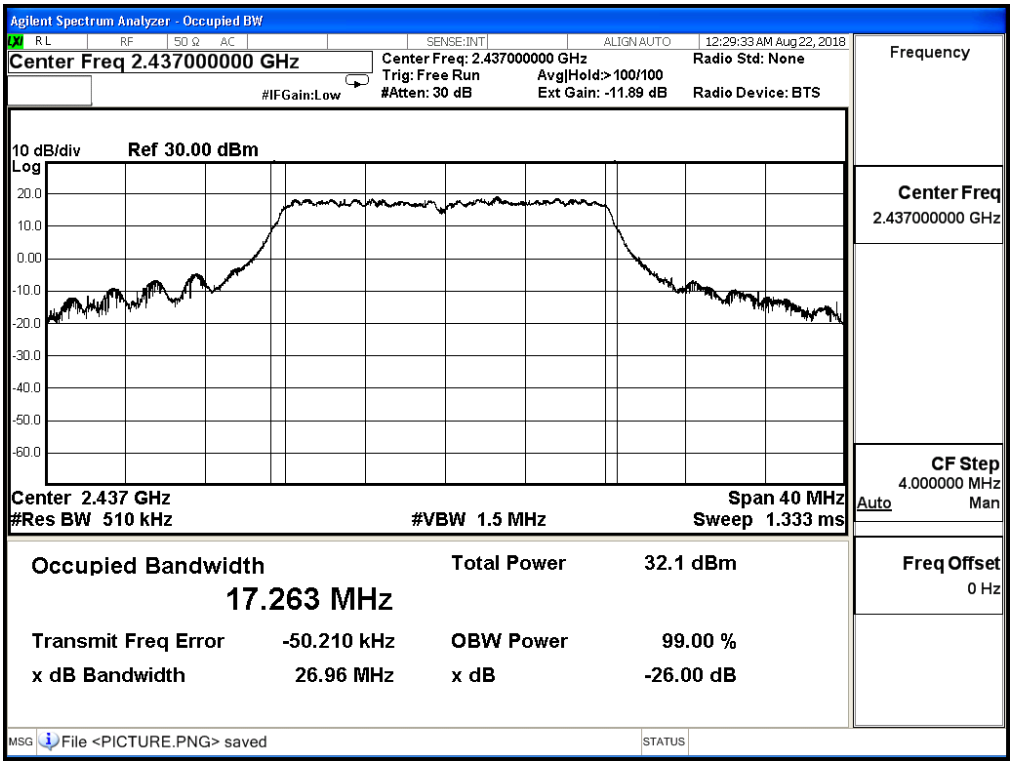
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.119	---
6	2437	17.263	---
11	2462	17.108	---

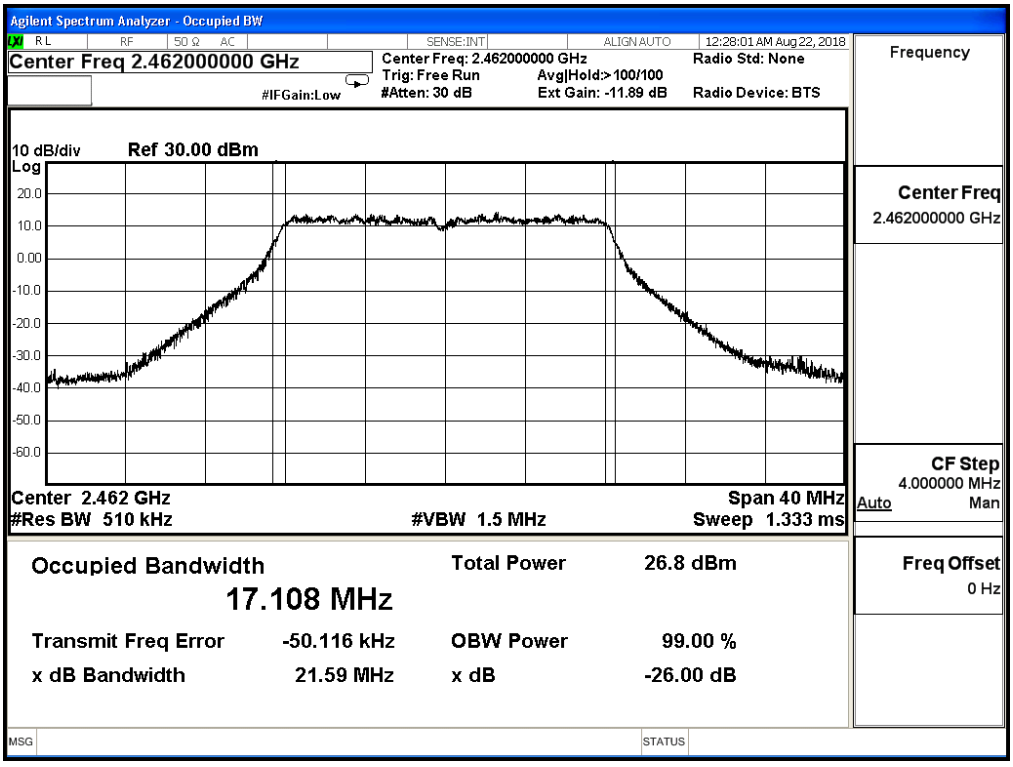
Channel 1 (2412MHz)



Channel 6 (2437MHz)



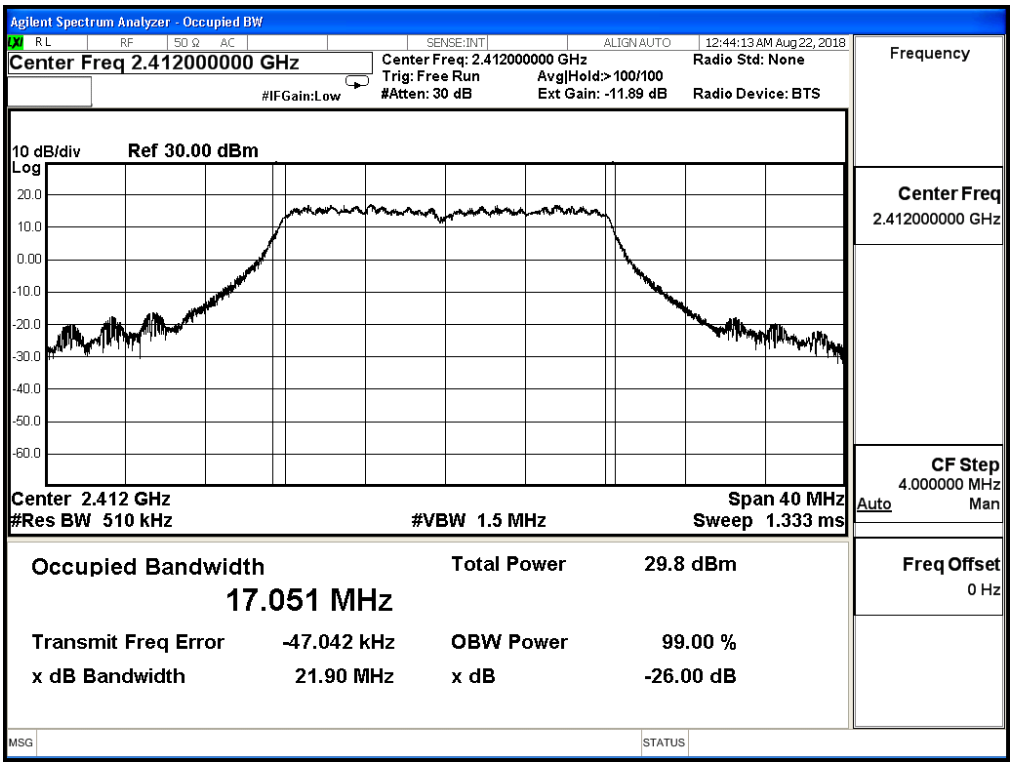
Channel 11 (2462MHz)



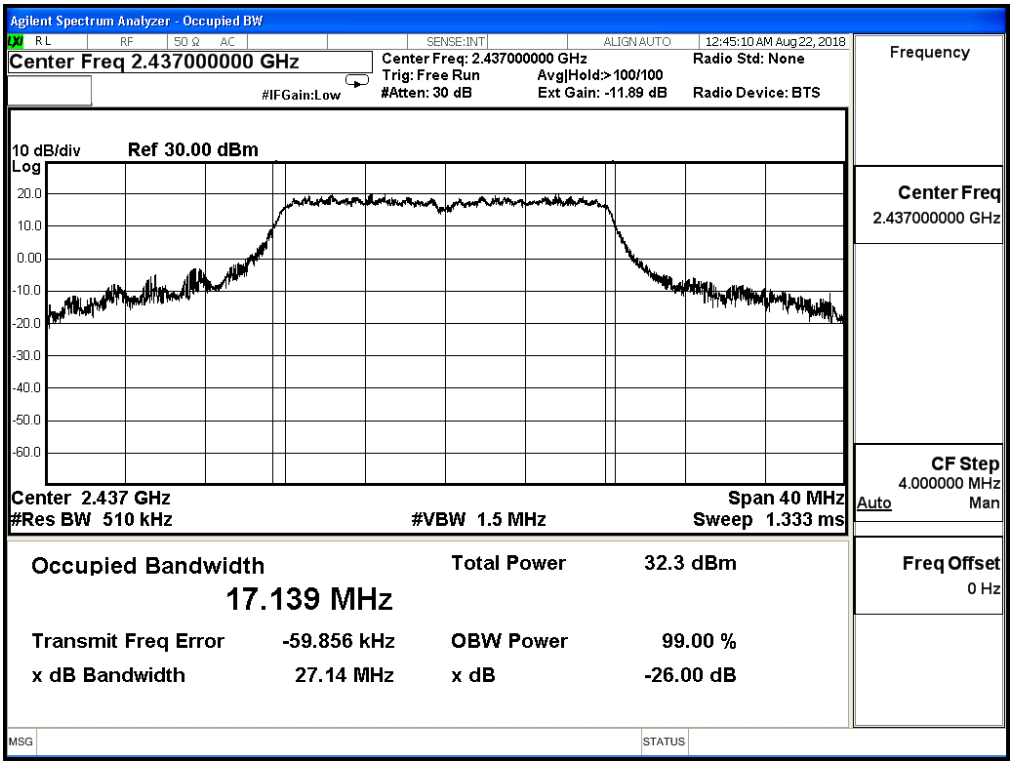
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11g (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.051	---
6	2437	17.139	---
11	2462	17.009	---

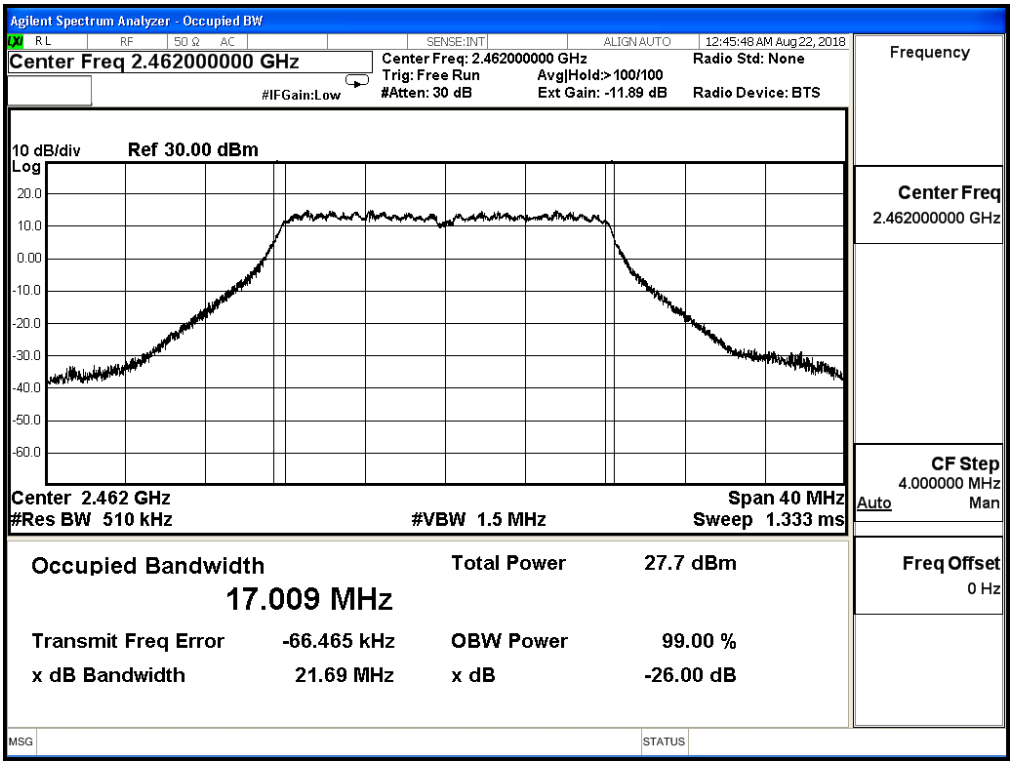
Channel 1 (2412MHz)



Channel 6 (2437MHz)



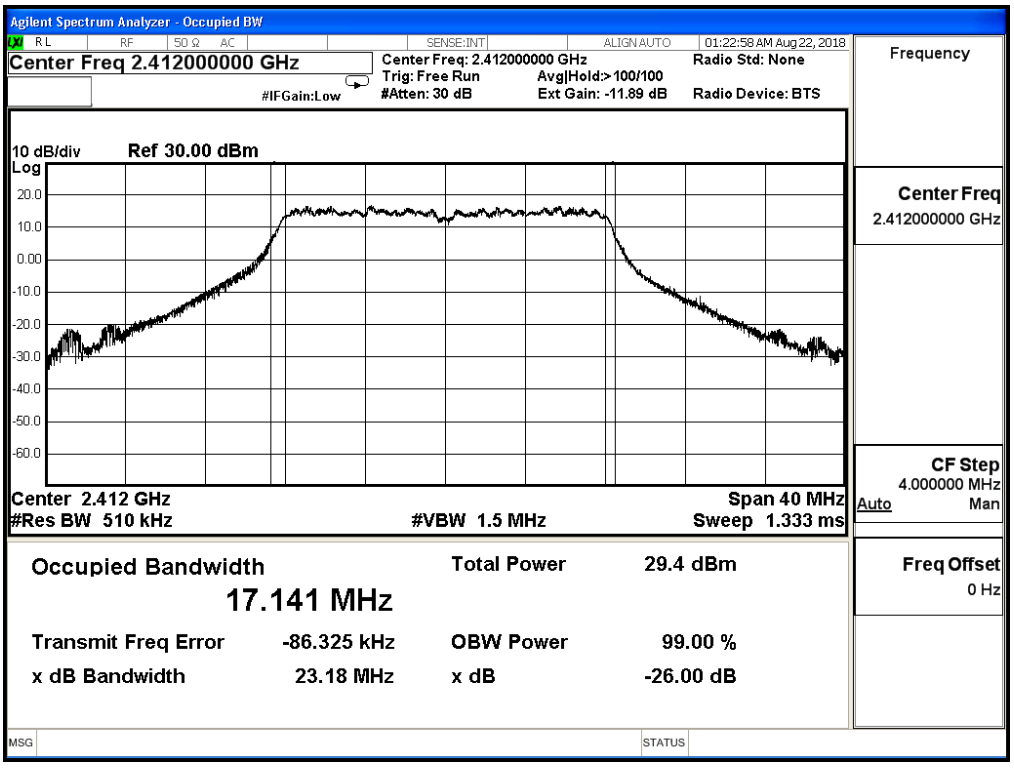
Channel 11 (2462MHz)



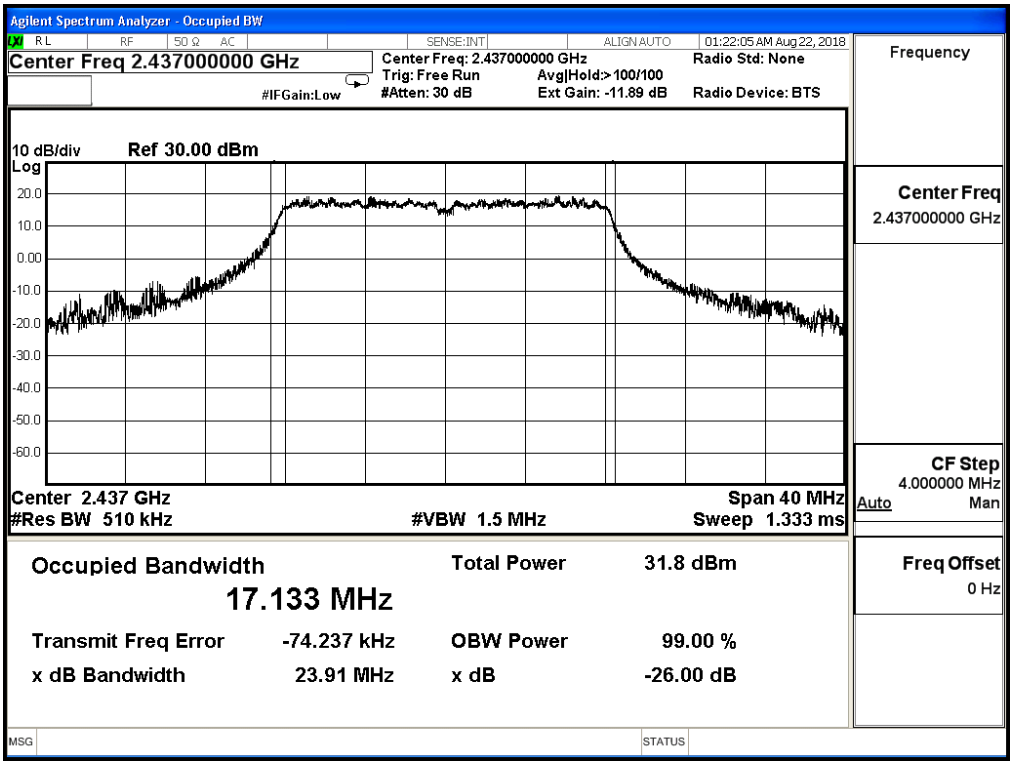
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

802.11g (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.141	---
6	2437	17.133	---
11	2462	17.060	---

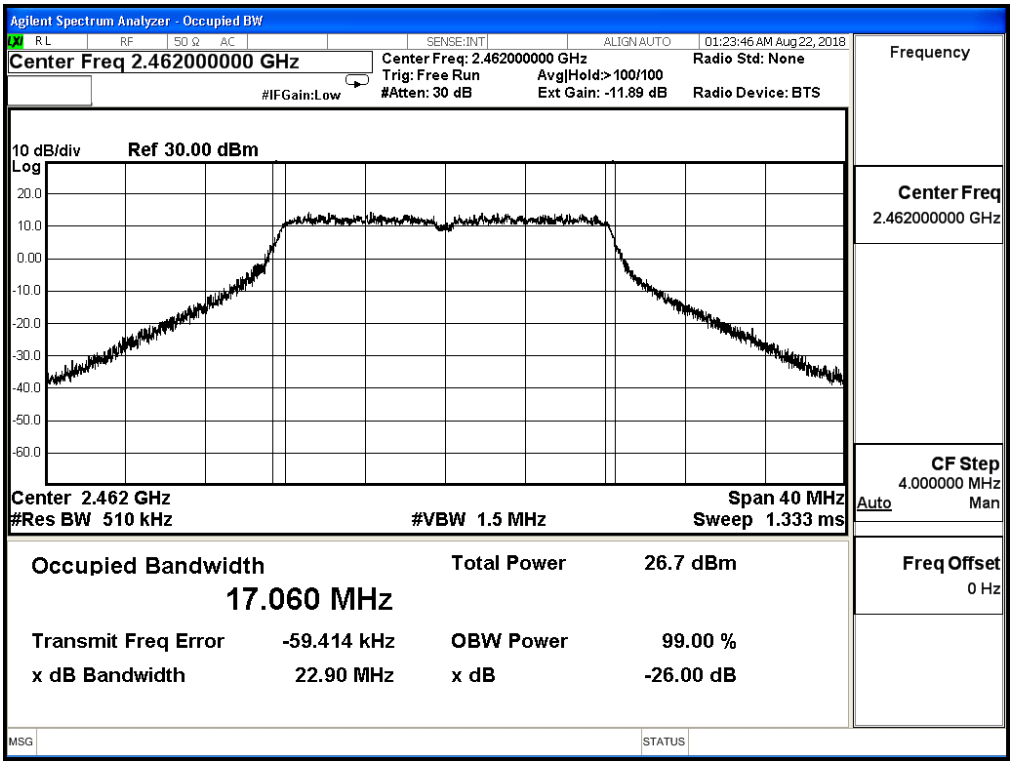
Channel 1 (2412MHz)



Channel 6 (2437MHz)



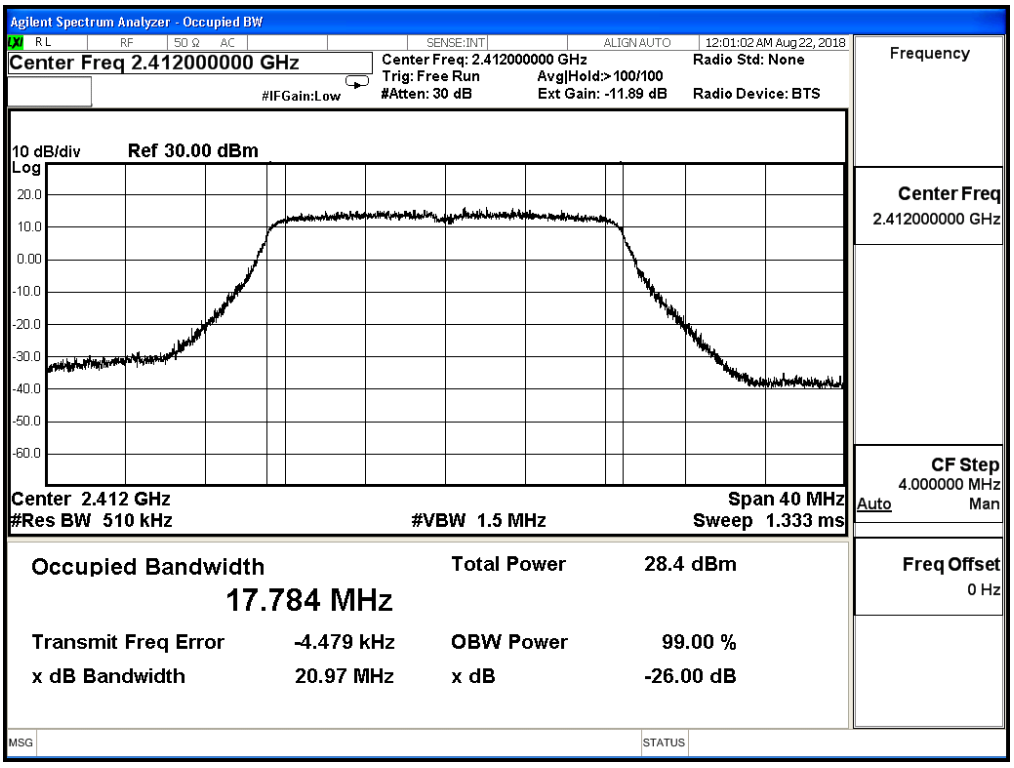
Channel 11 (2462MHz)



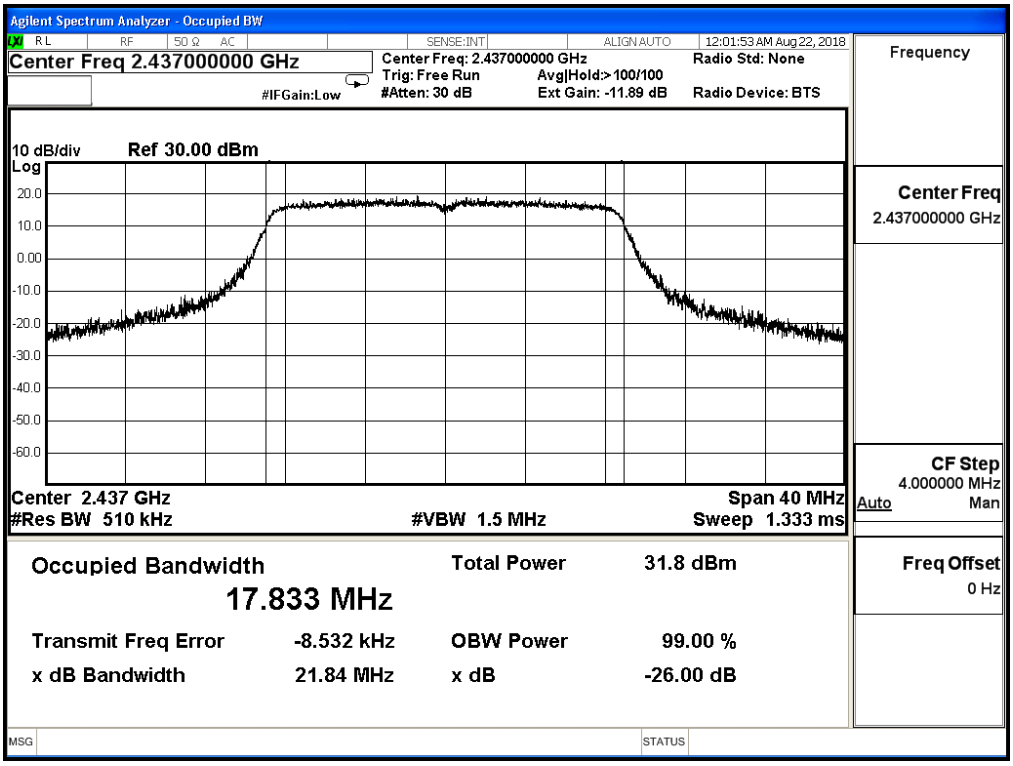
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.784	---
6	2437	17.833	---
11	2462	17.809	---

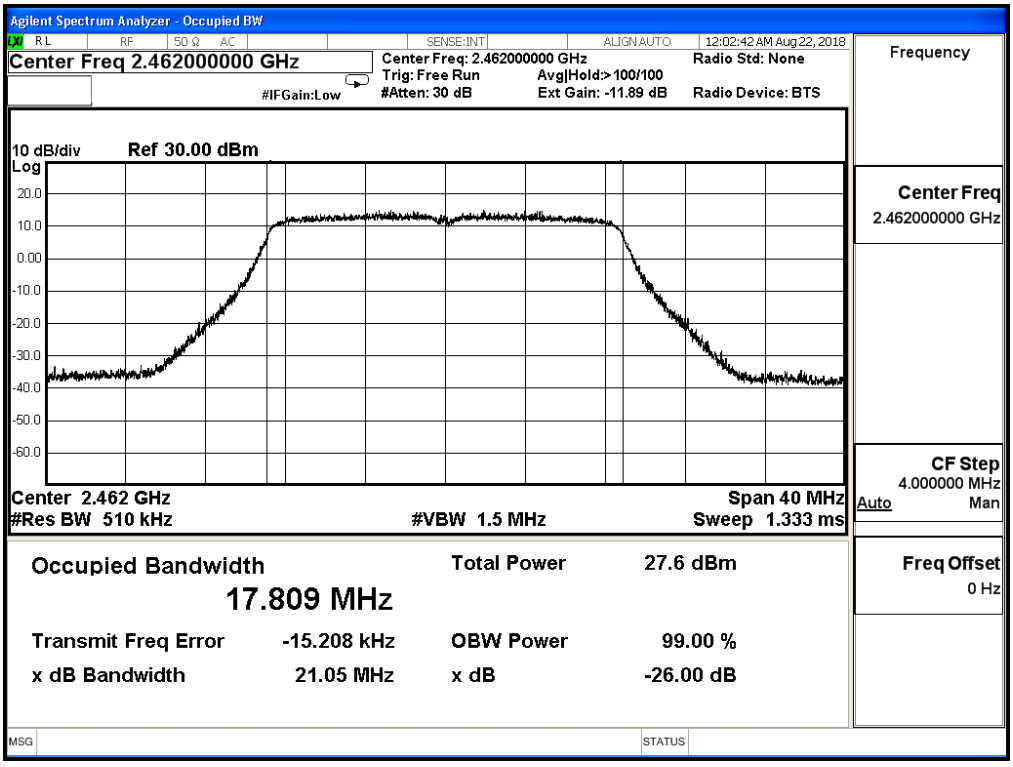
Channel 1 (2412MHz)



Channel 6 (2437MHz)



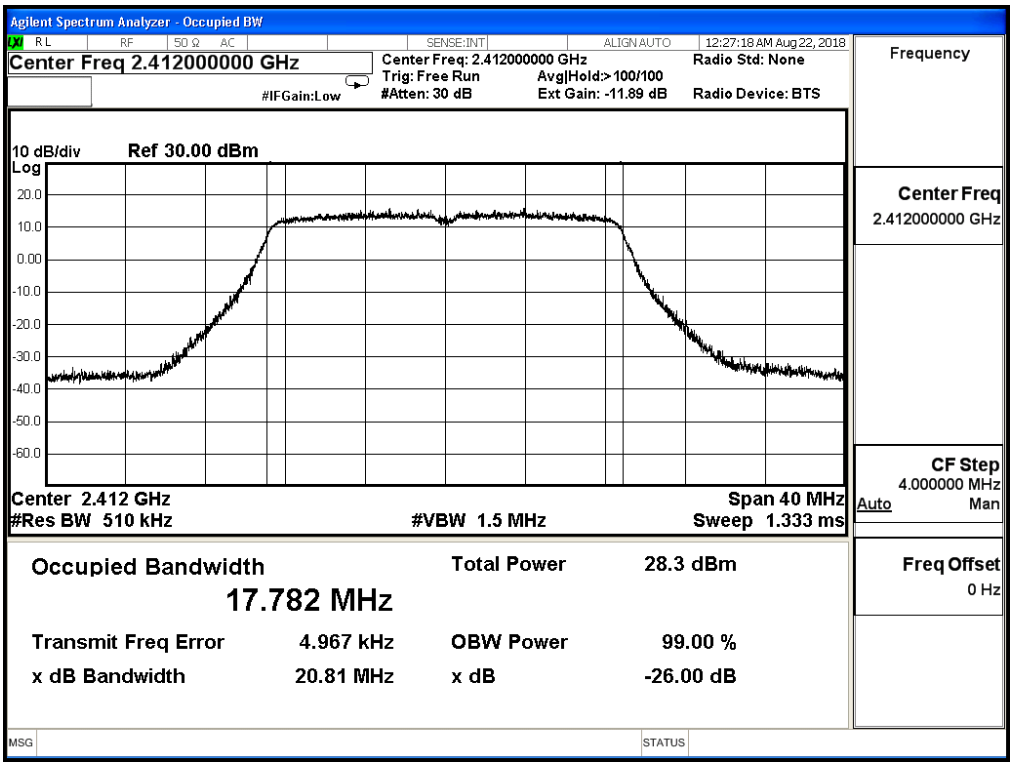
Channel 11 (2462MHz)



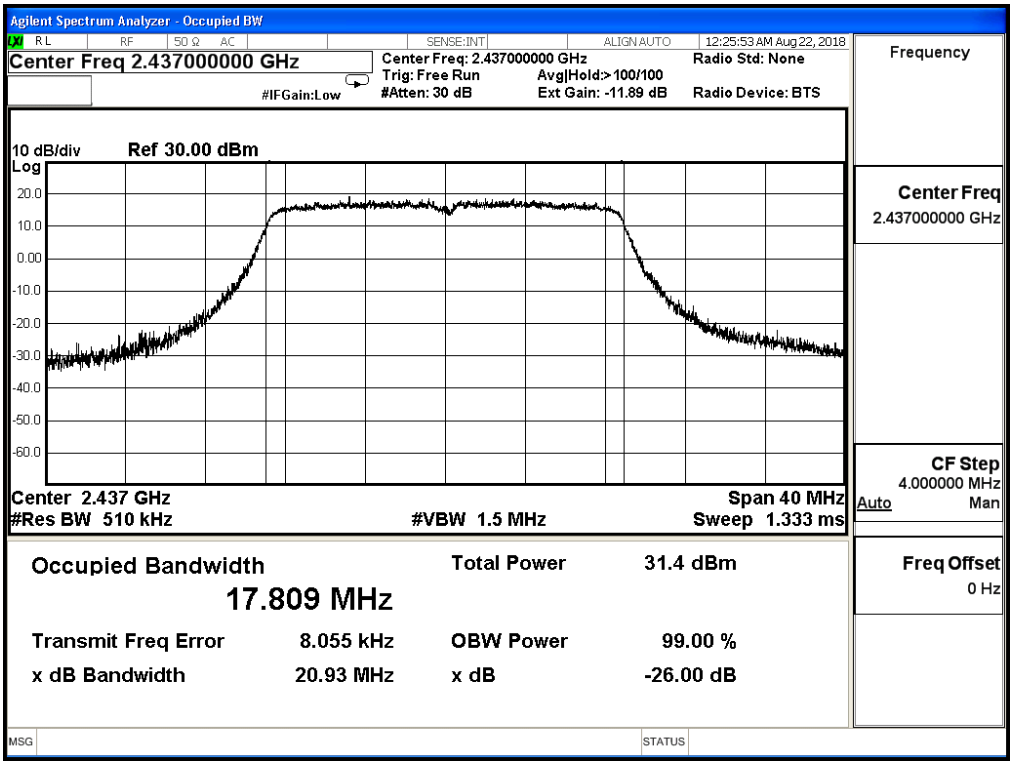
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.782	---
6	2437	17.809	---
11	2462	17.777	---

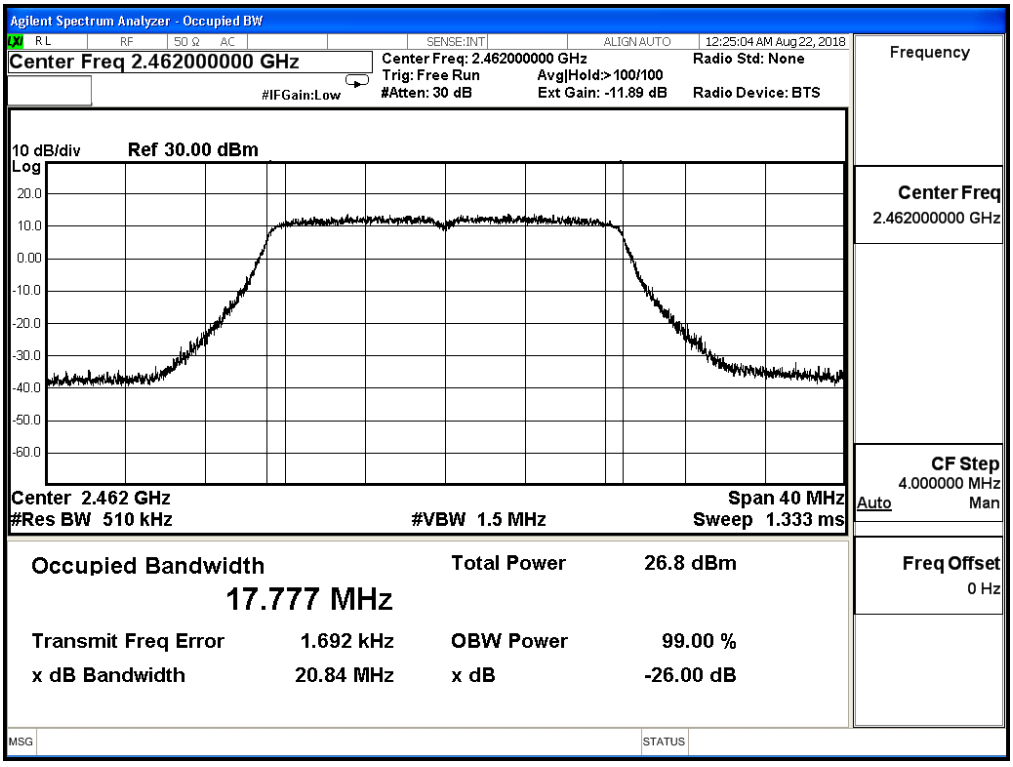
Channel 1 (2412MHz)



Channel 6 (2437MHz)



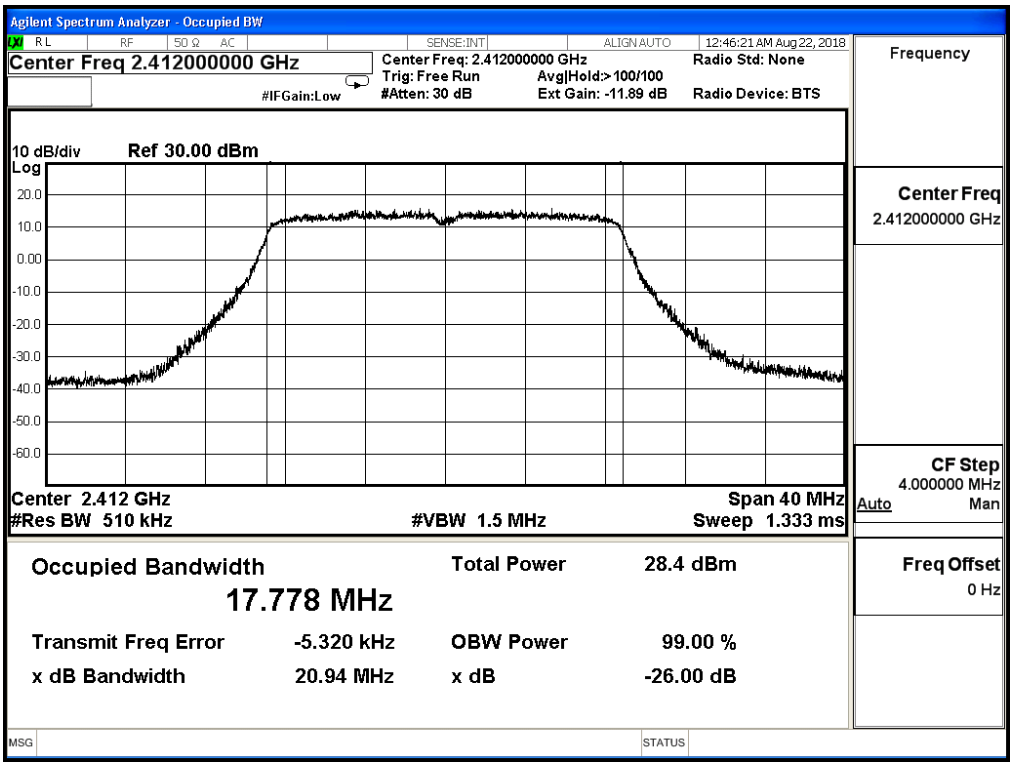
Channel 11 (2462MHz)



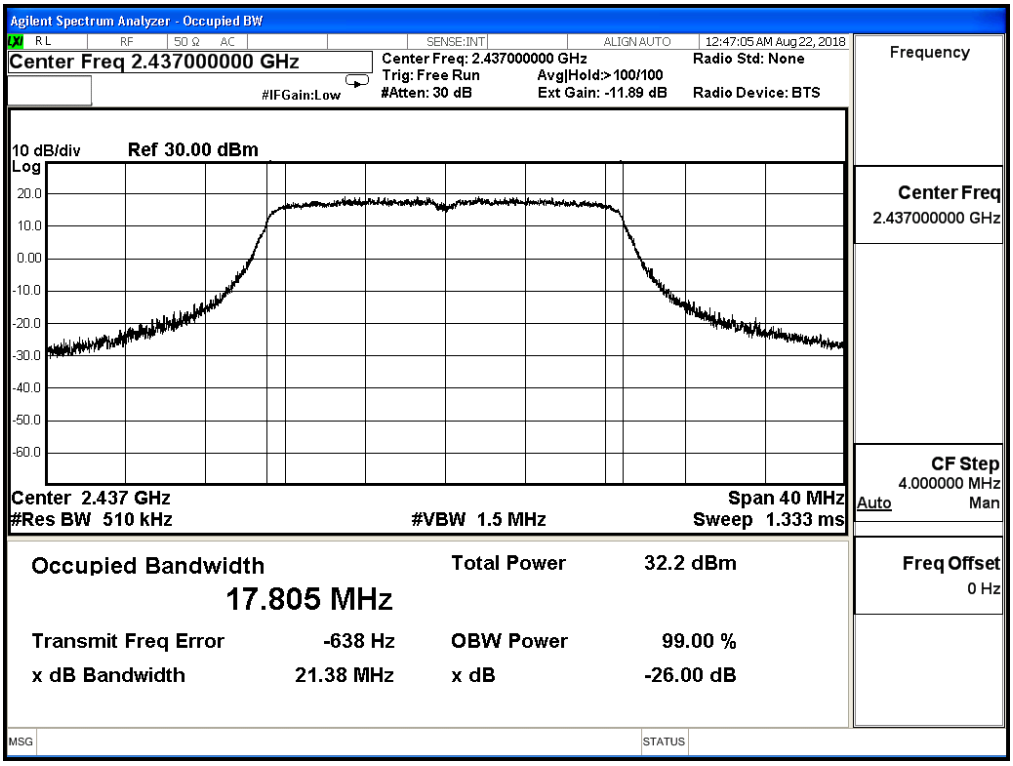
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.778	---
6	2437	17.805	---
11	2462	17.781	---

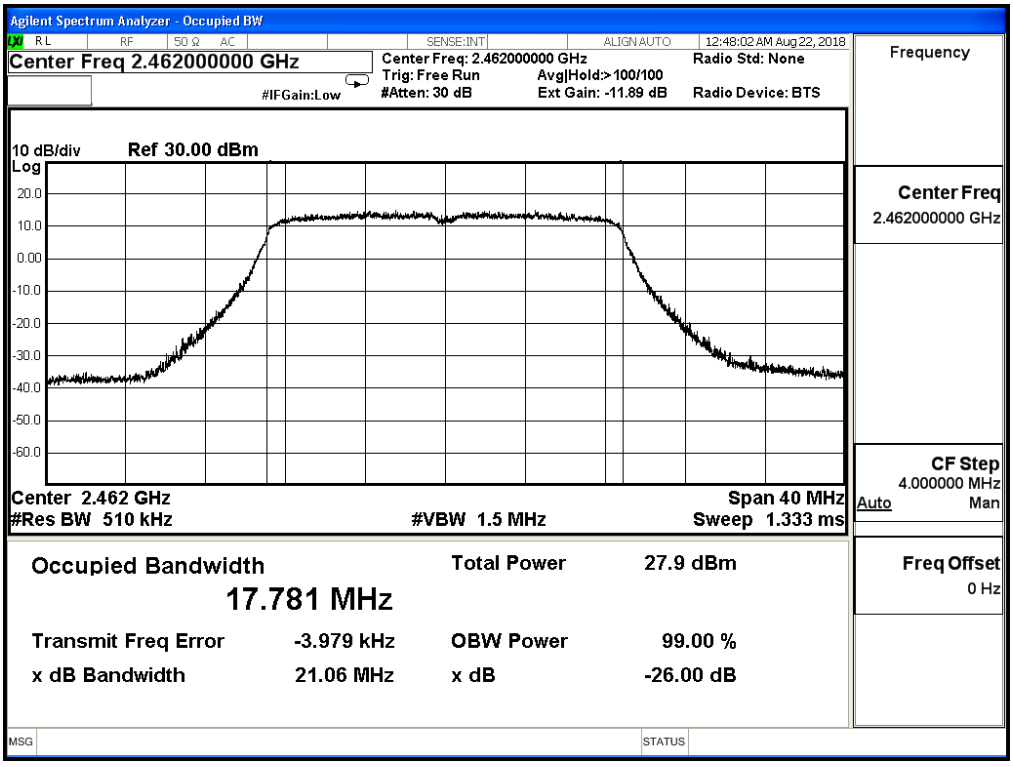
Channel 1 (2412MHz)



Channel 6 (2437MHz)



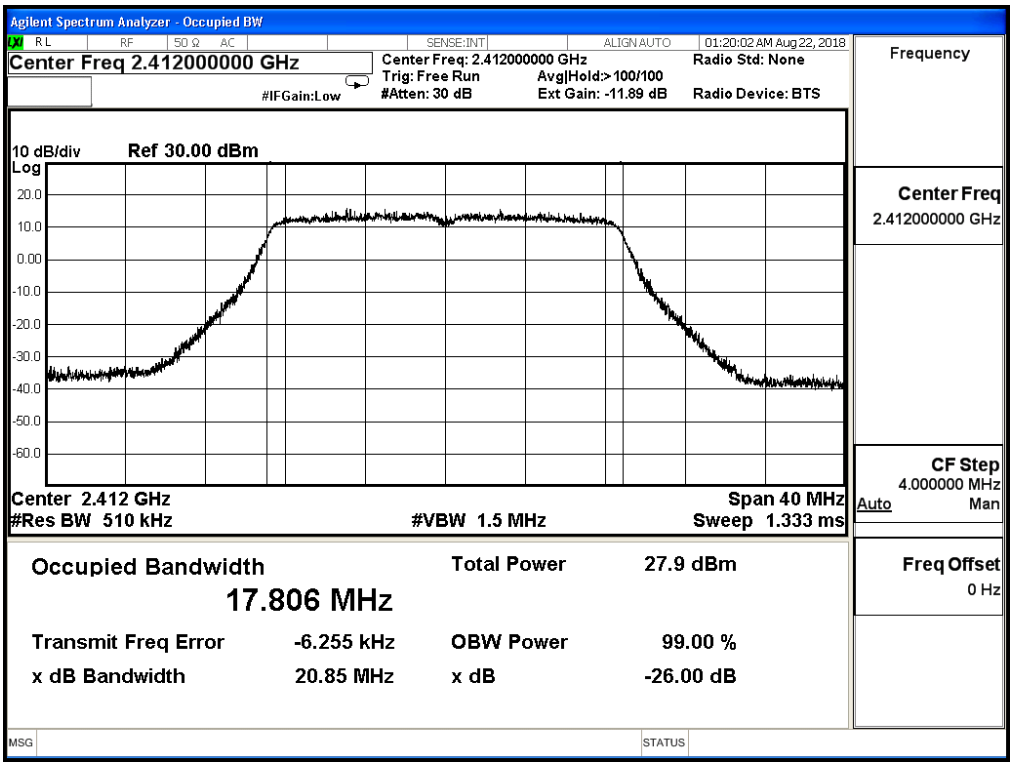
Channel 11 (2462MHz)



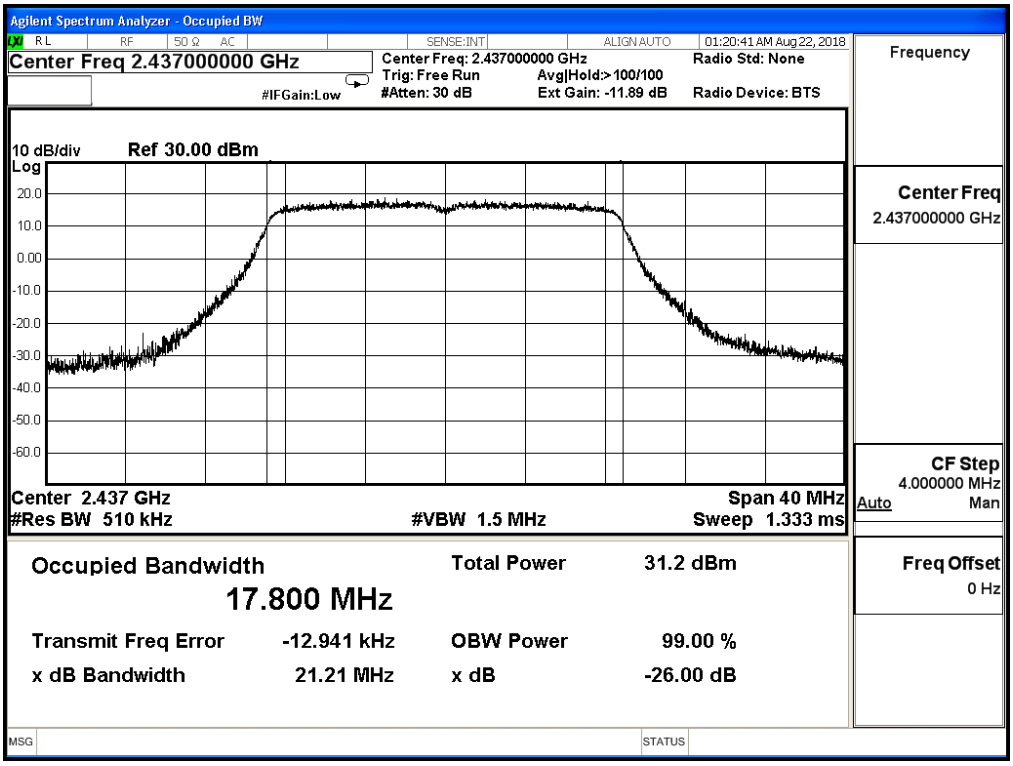
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.806	---
6	2437	17.800	---
11	2462	17.794	---

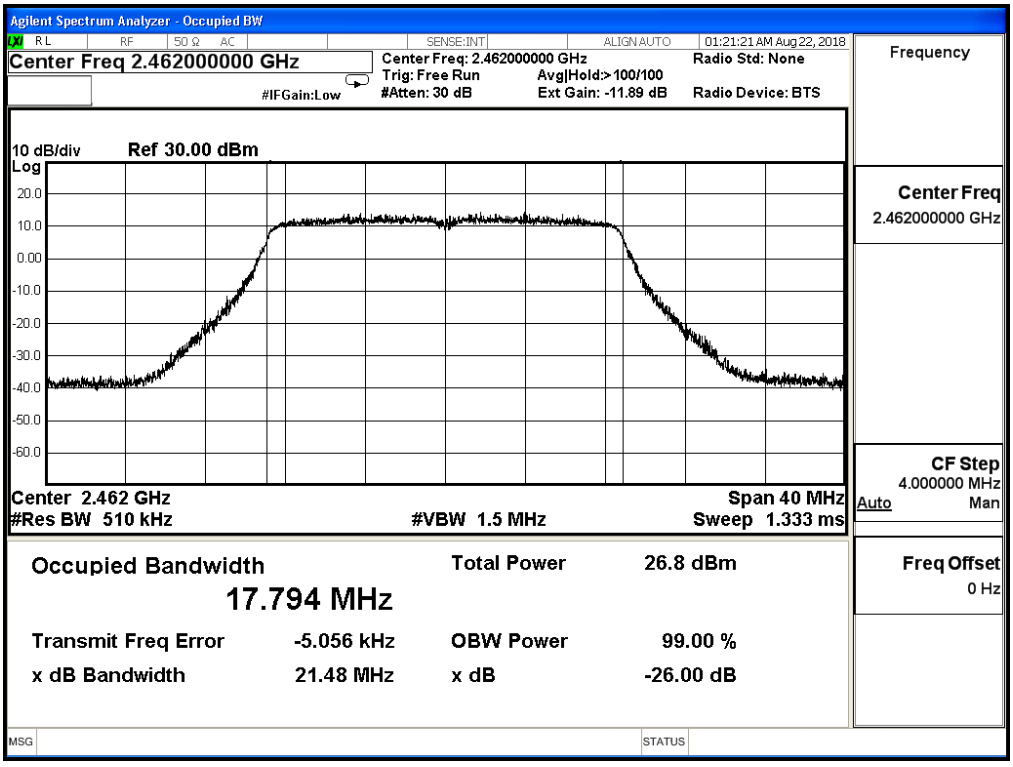
Channel 1 (2412MHz)



Channel 6 (2437MHz)



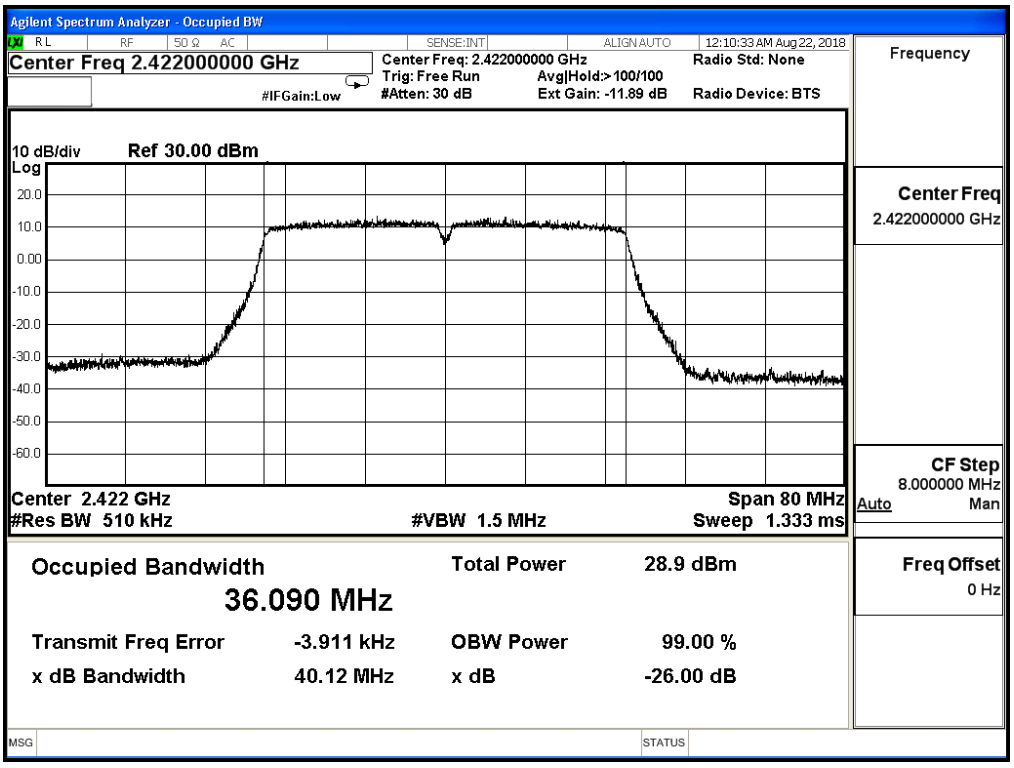
Channel 11 (2462MHz)



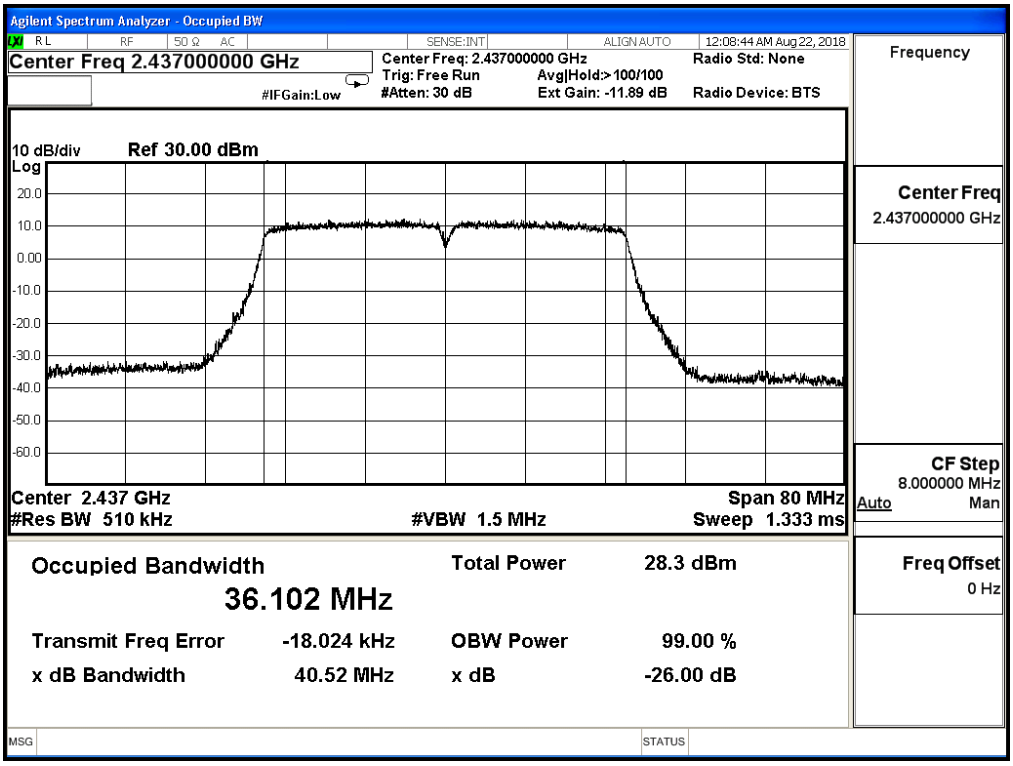
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	36.090	---
6	2437	36.102	---
9	2452	36.116	---

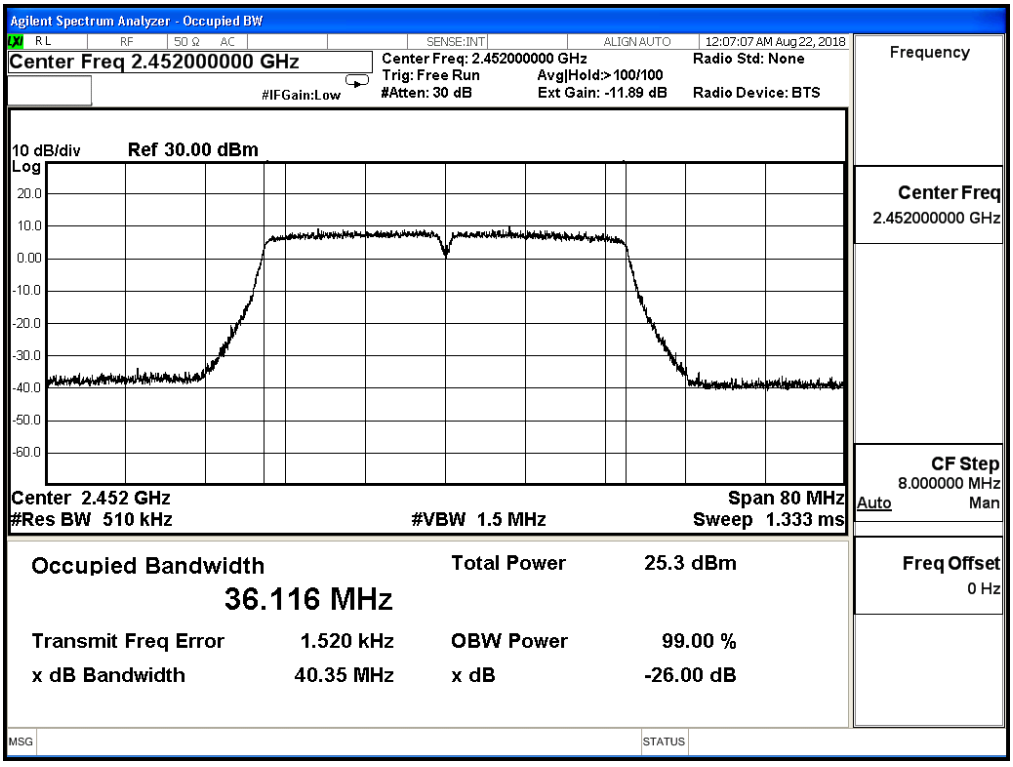
Channel 3 (2422MHz)



Channel 6 (2437MHz)



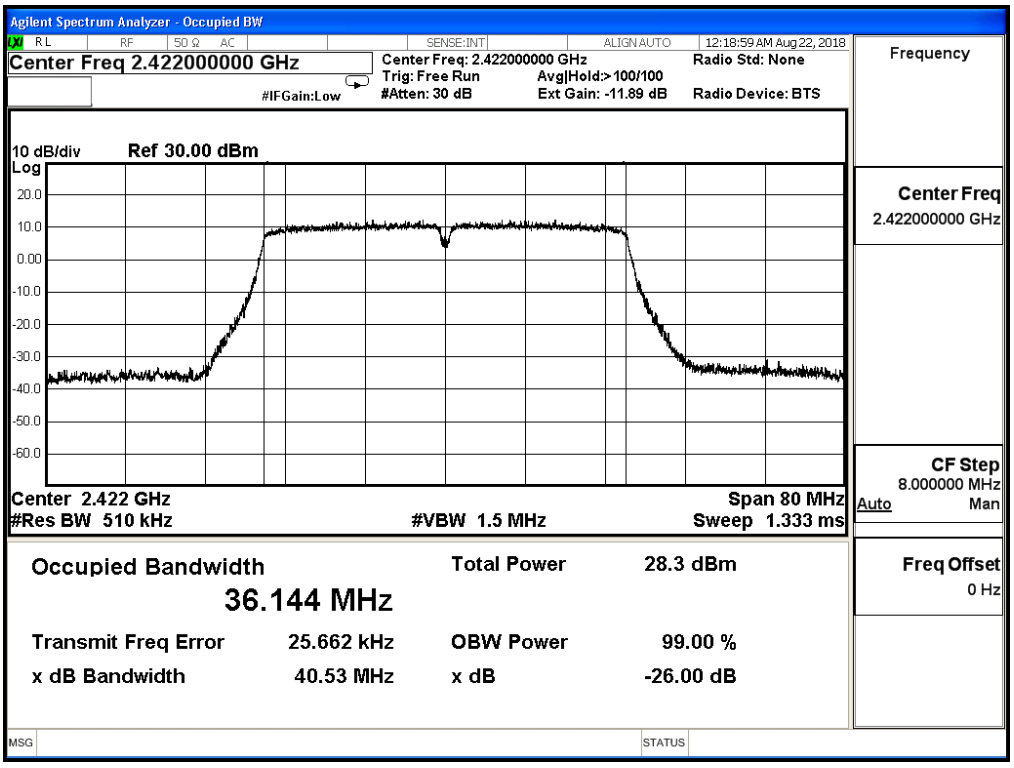
Channel 9 (2452MHz)



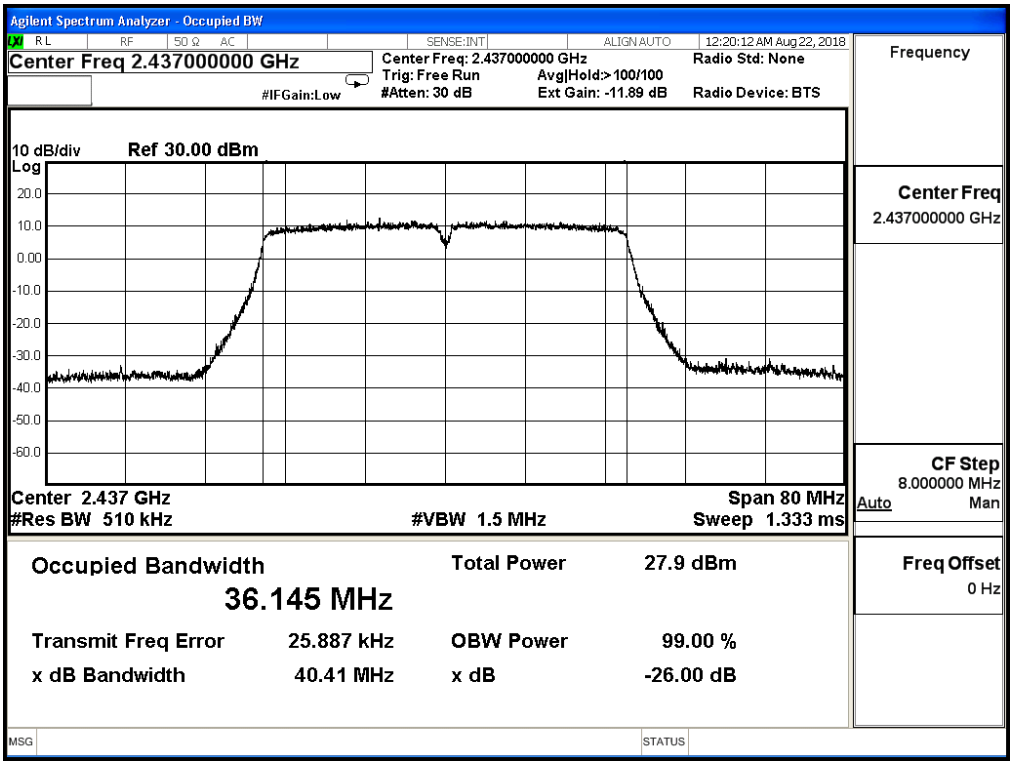
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	36.144	---
6	2437	36.145	---
9	2452	36.124	---

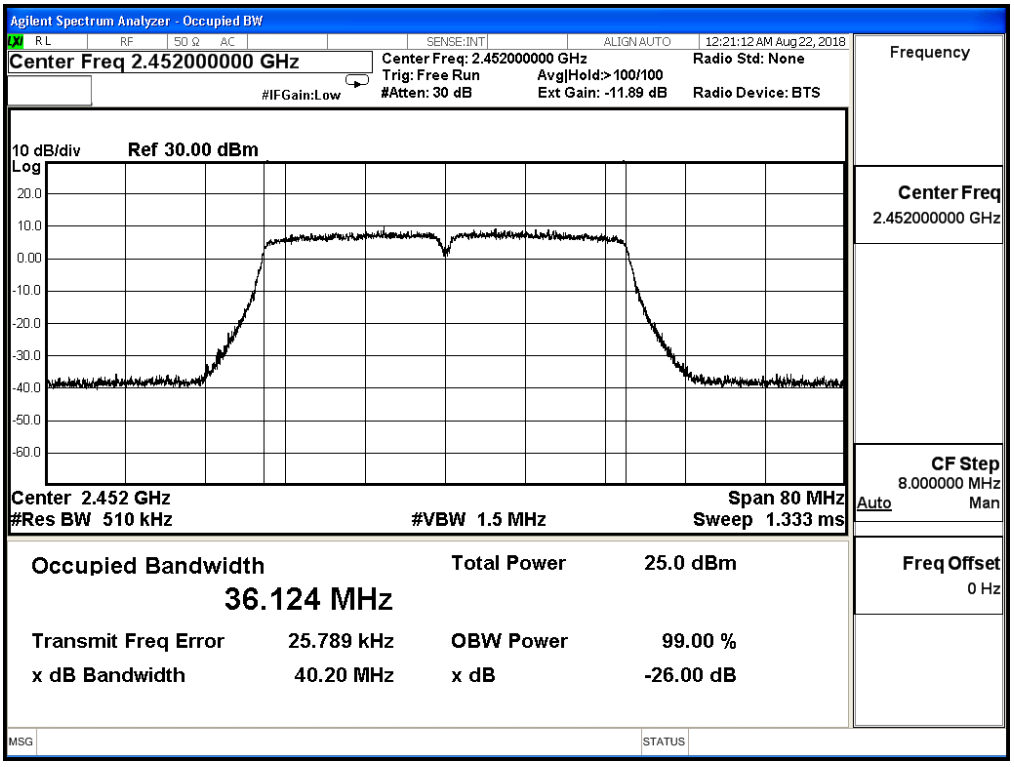
Channel 3 (2422MHz)



Channel 6 (2437MHz)



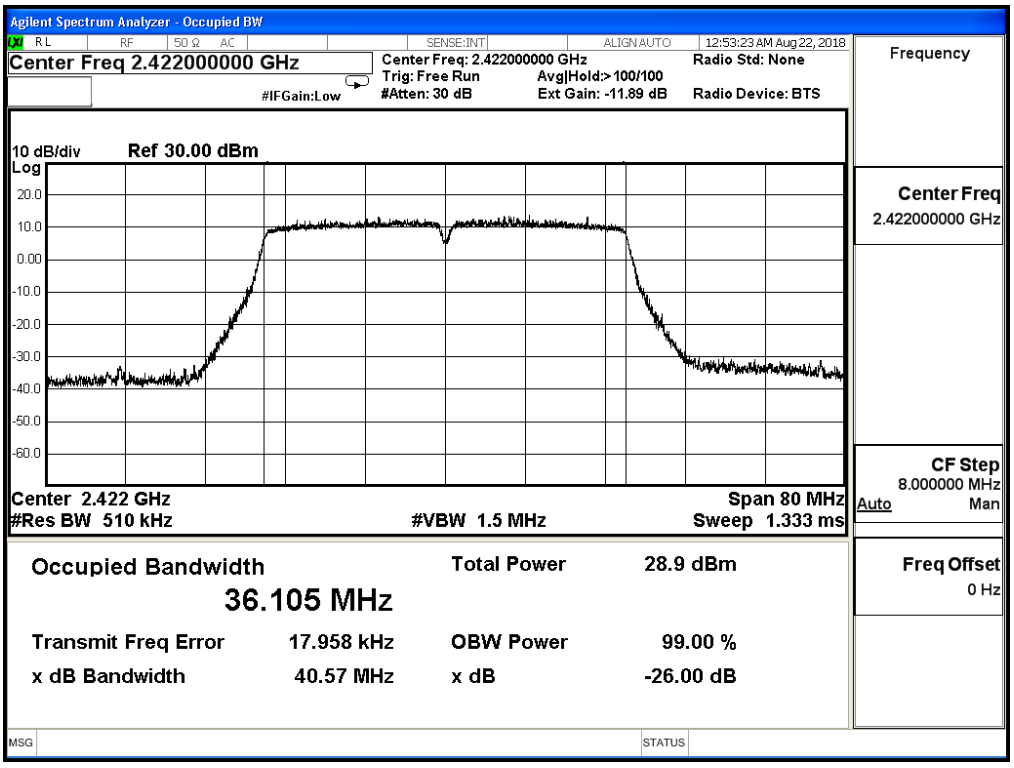
Channel 9 (2452MHz)



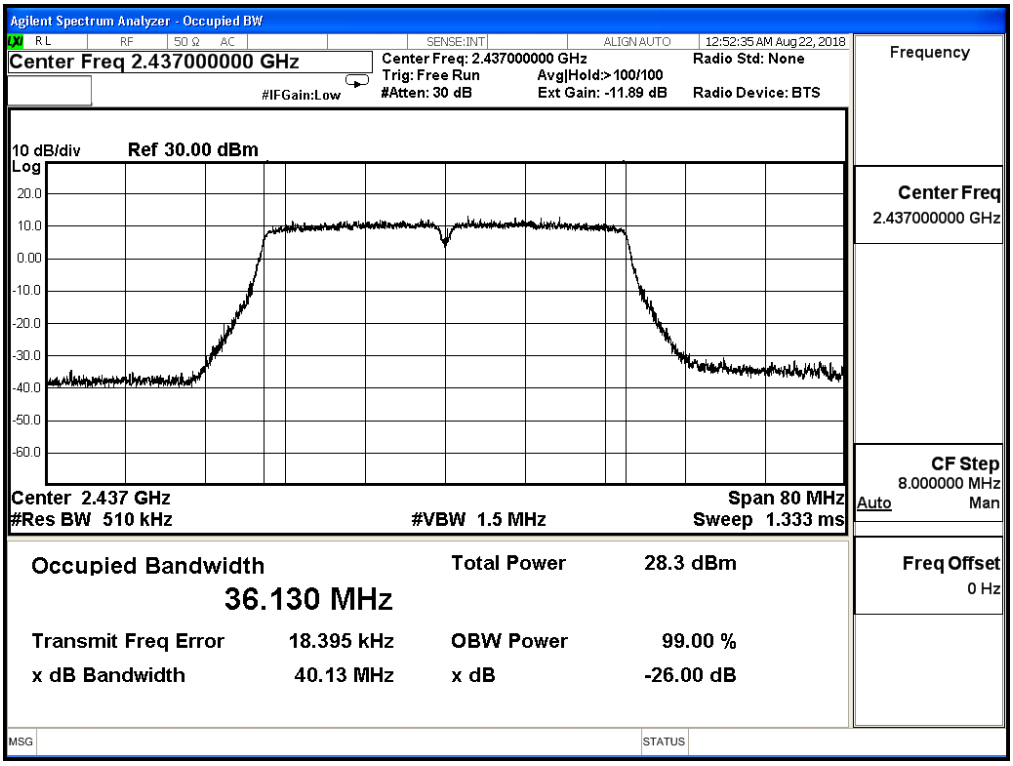
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	36.105	---
6	2437	36.130	---
9	2452	36.129	---

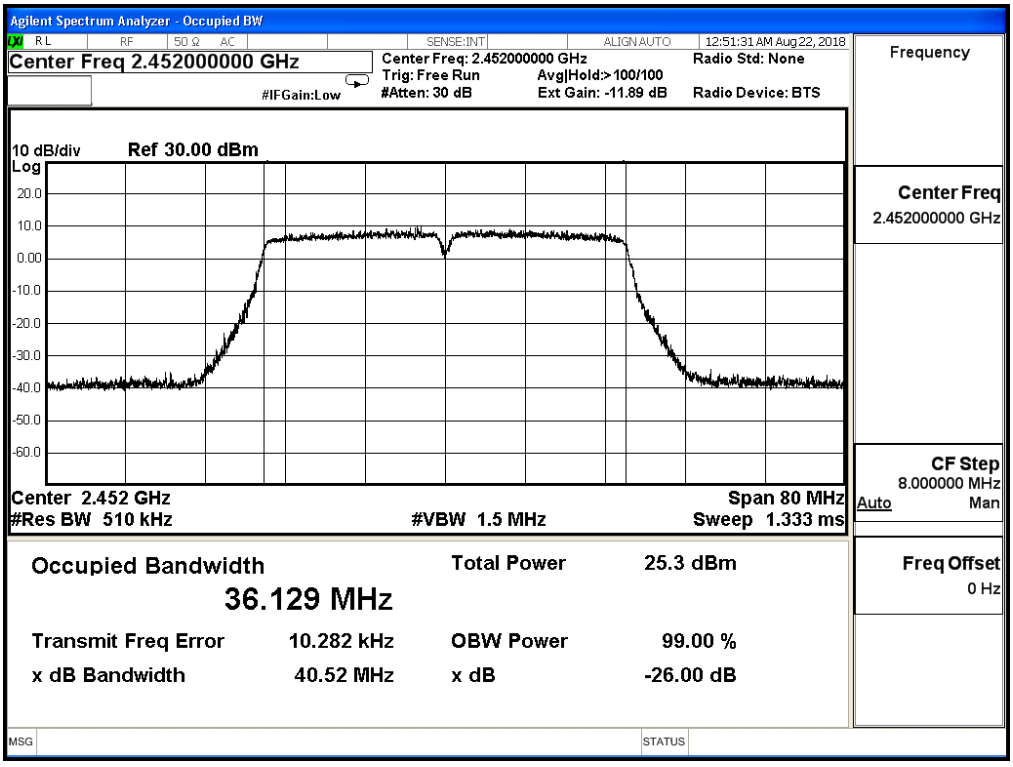
Channel 3 (2422MHz)



Channel 6 (2437MHz)



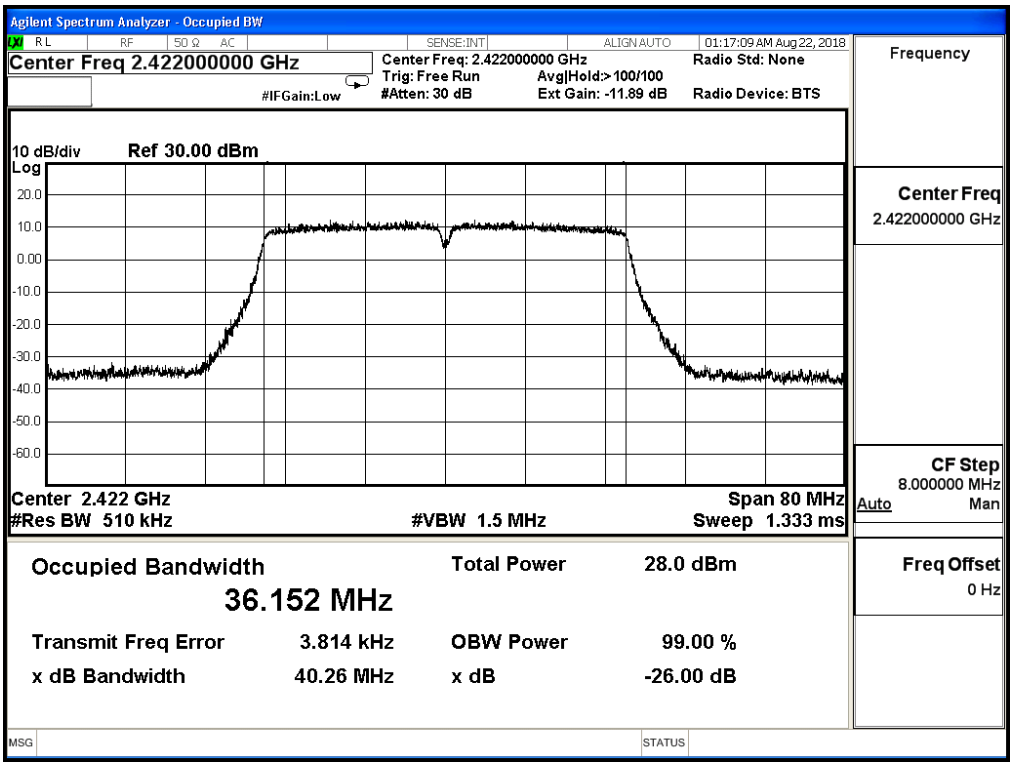
Channel 9 (2452MHz)



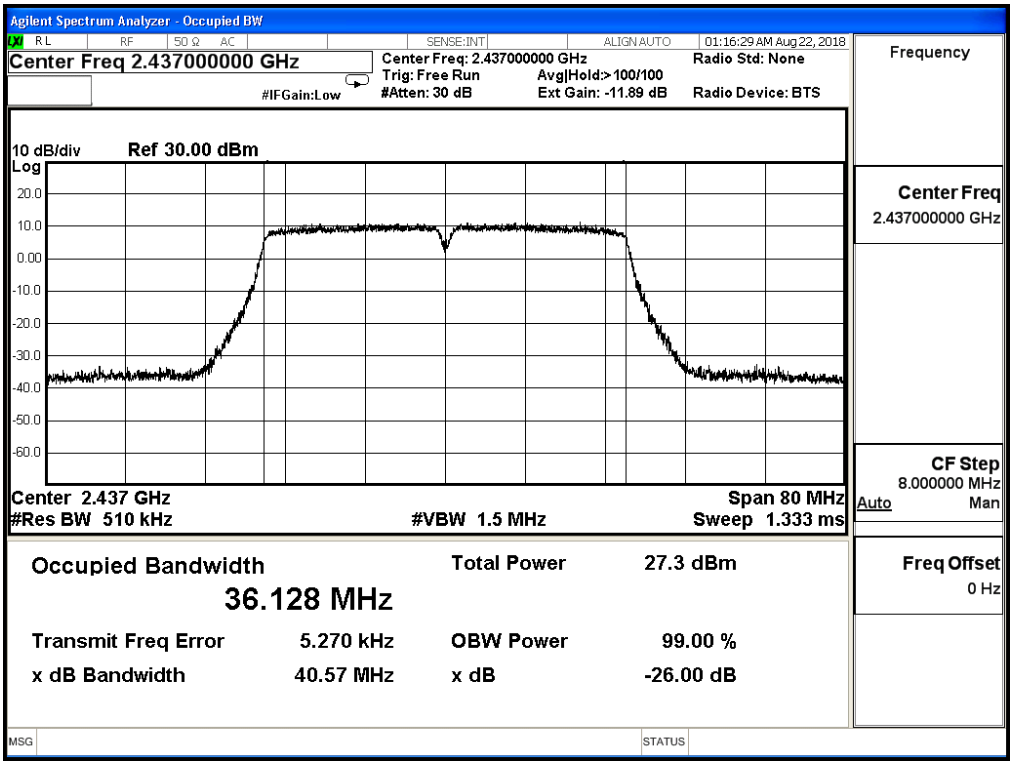
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	36.152	---
6	2437	36.128	---
9	2452	36.122	---

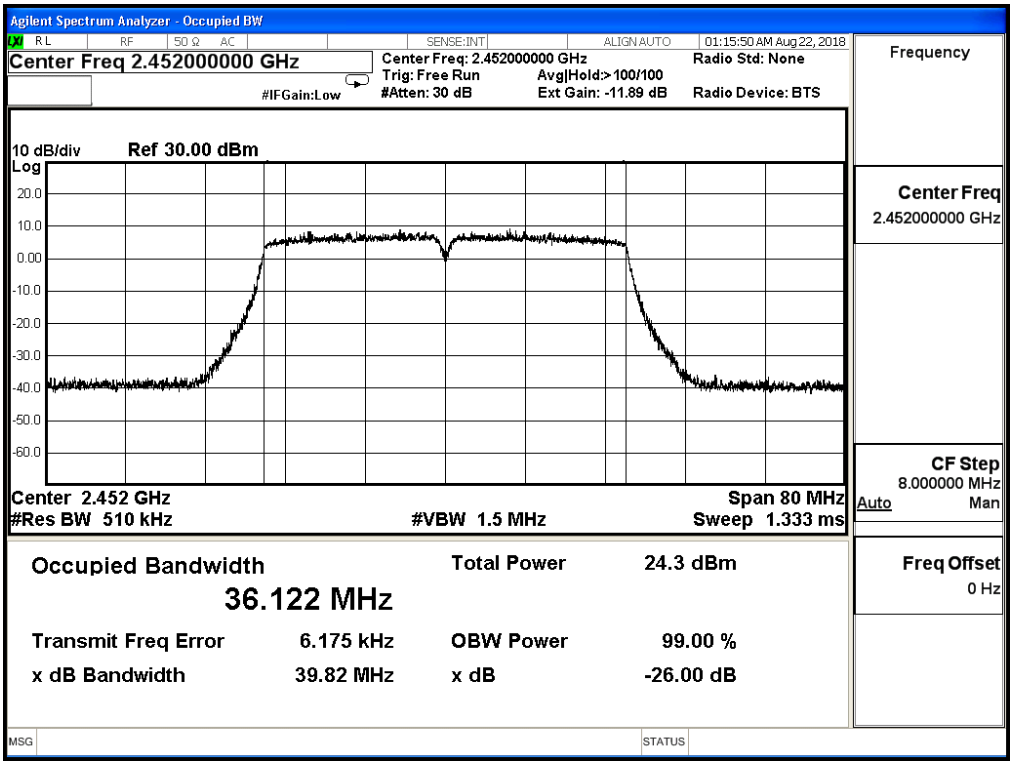
Channel 3 (2422MHz)



Channel 6 (2437MHz)



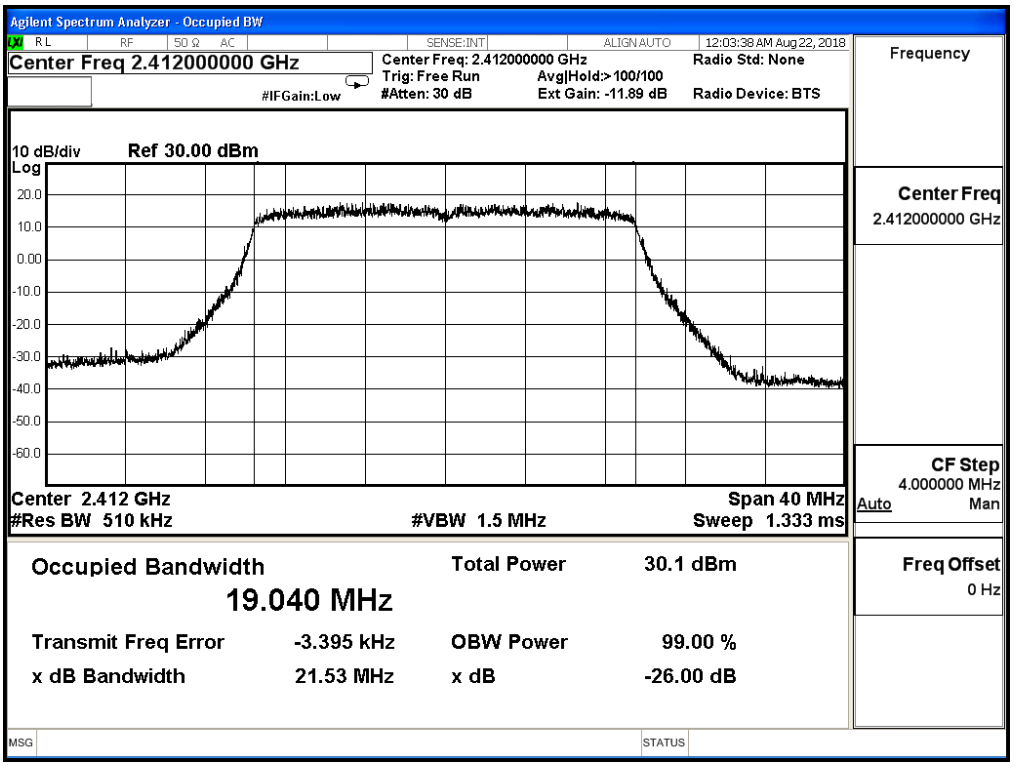
Channel 9 (2452MHz)



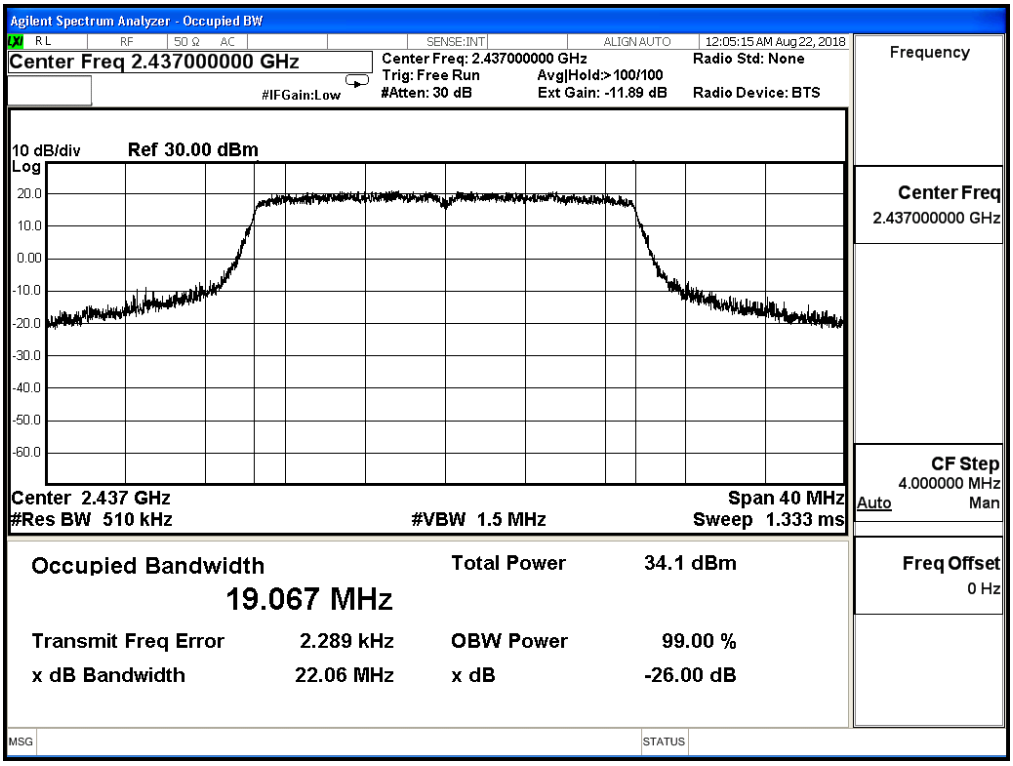
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/21	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.040	---
6	2437	19.067	---
11	2462	19.041	---

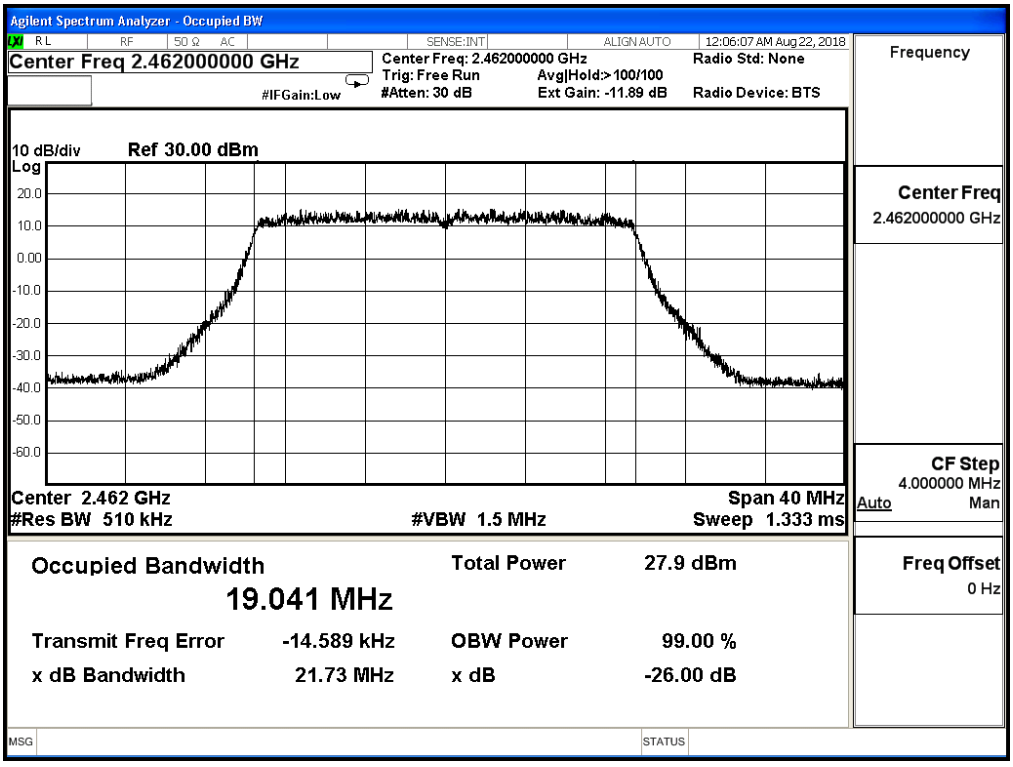
Channel 1 (2412MHz)



Channel 6 (2437MHz)



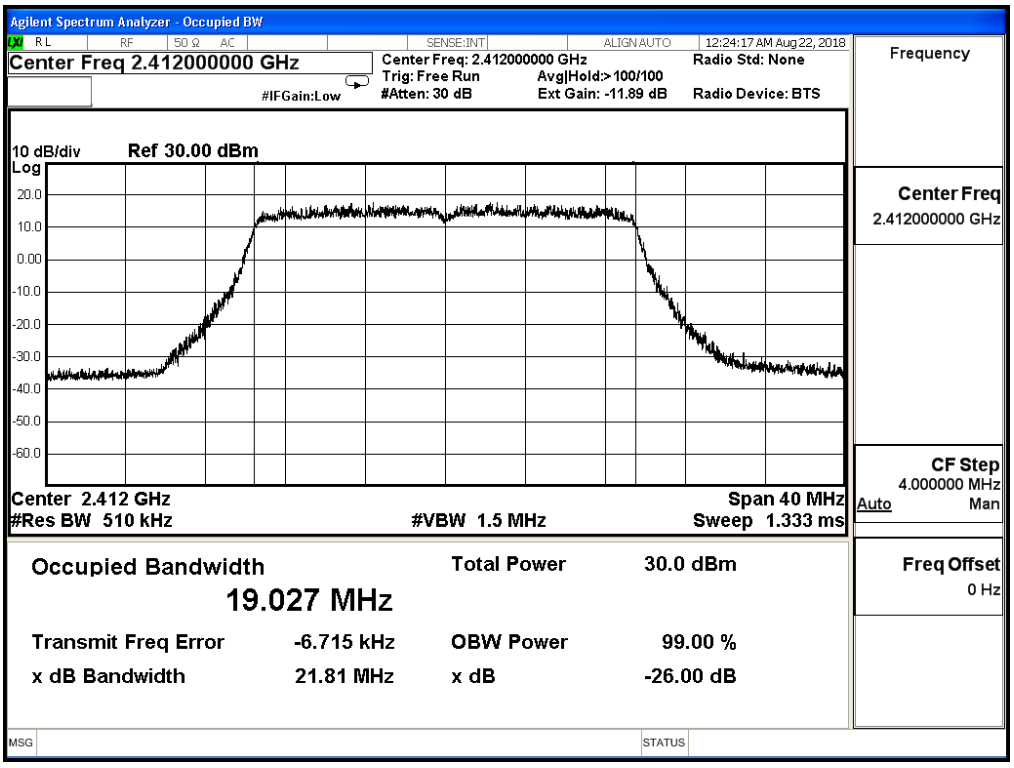
Channel 11 (2462MHz)



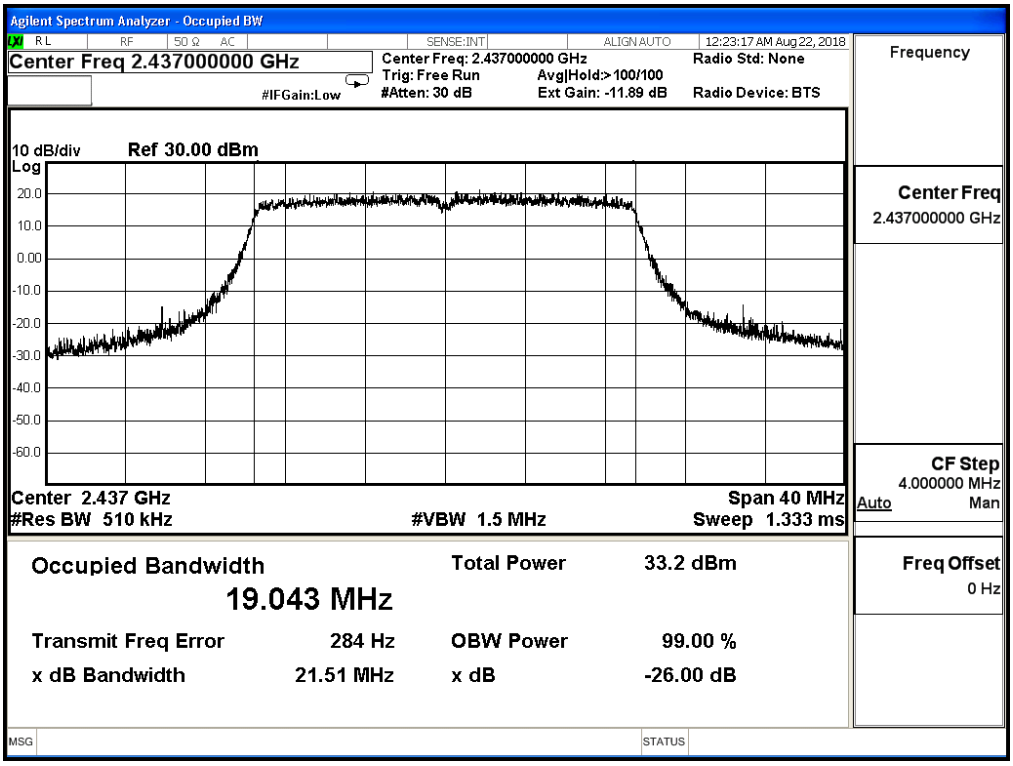
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.027	---
6	2437	19.043	---
11	2462	19.029	---

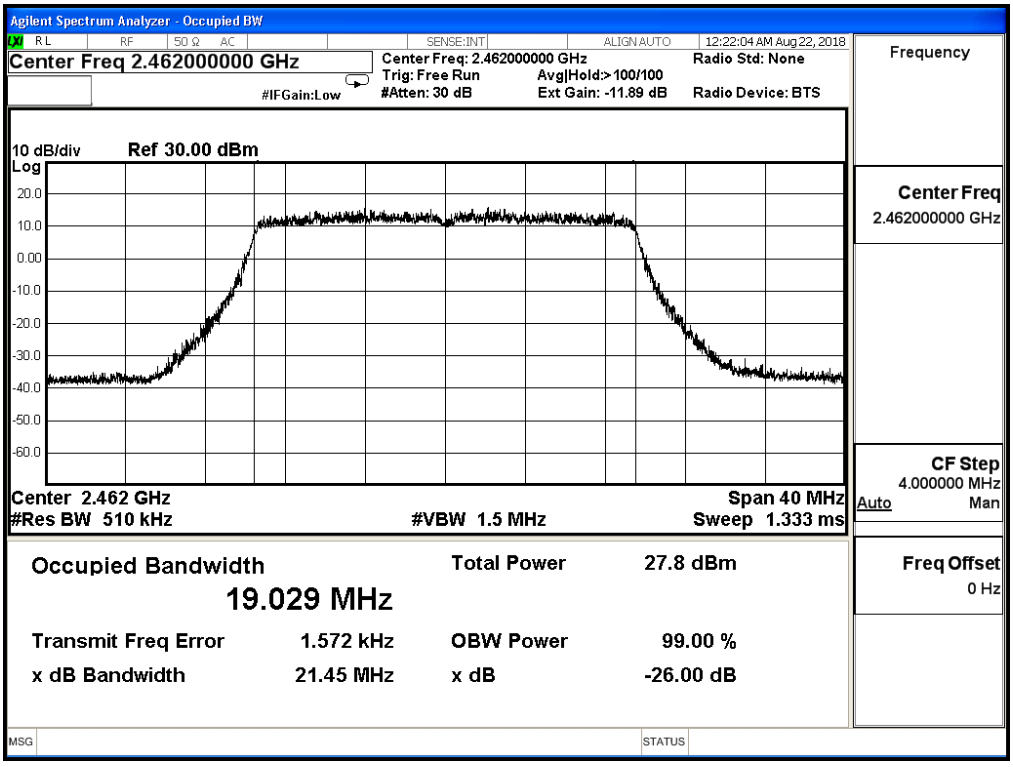
Channel 1 (2412MHz)



Channel 6 (2437MHz)



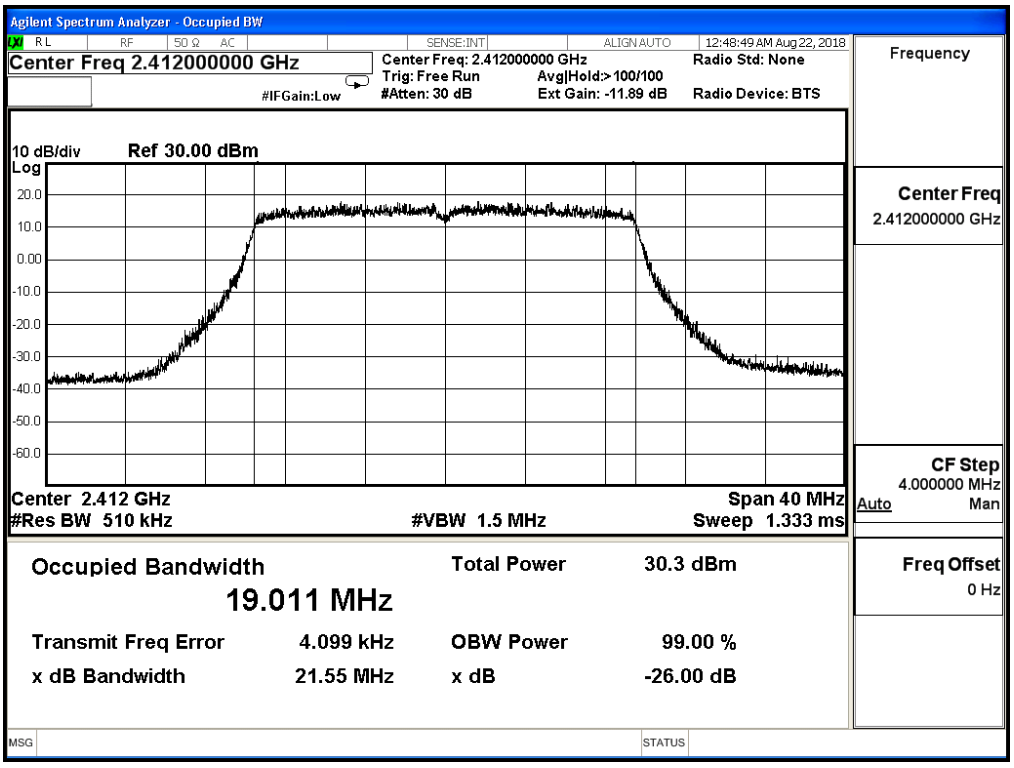
Channel 11 (2462MHz)



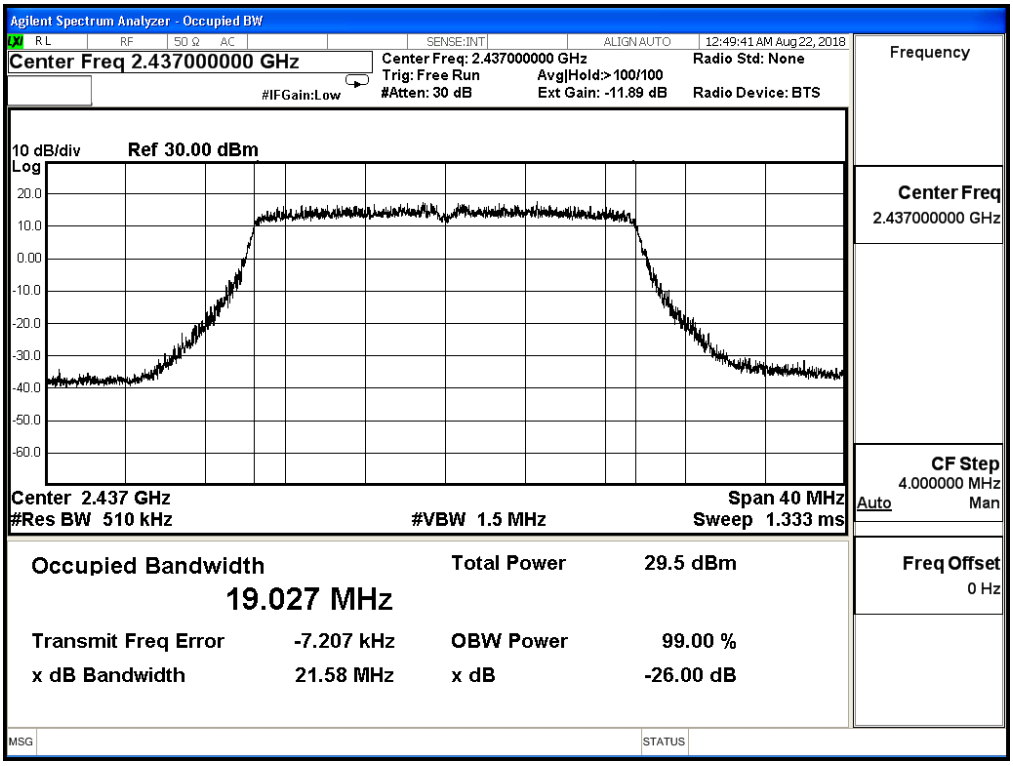
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.011	---
6	2437	19.027	---
11	2462	19.045	---

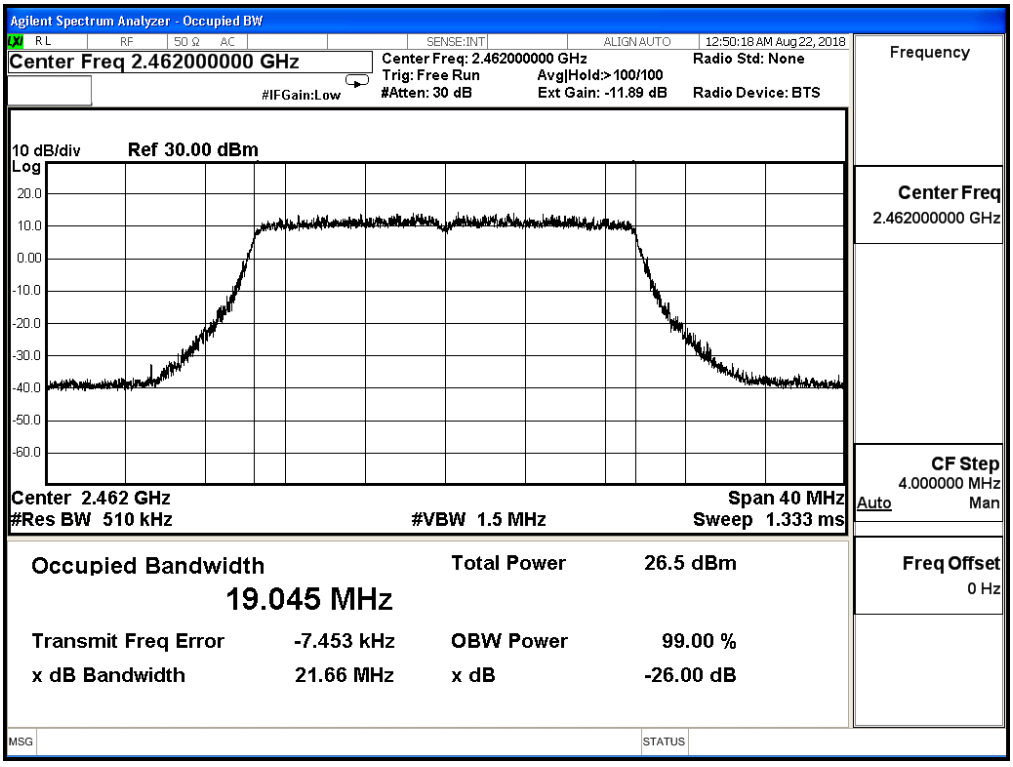
Channel 1 (2412MHz)



Channel 6 (2437MHz)



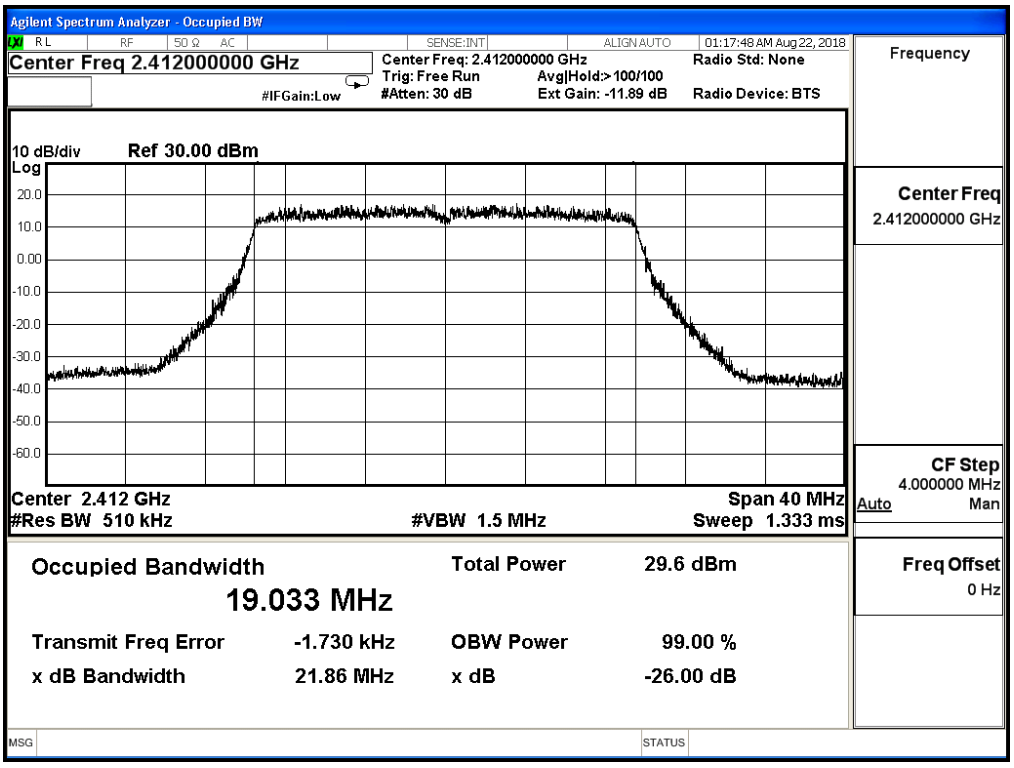
Channel 11 (2462MHz)



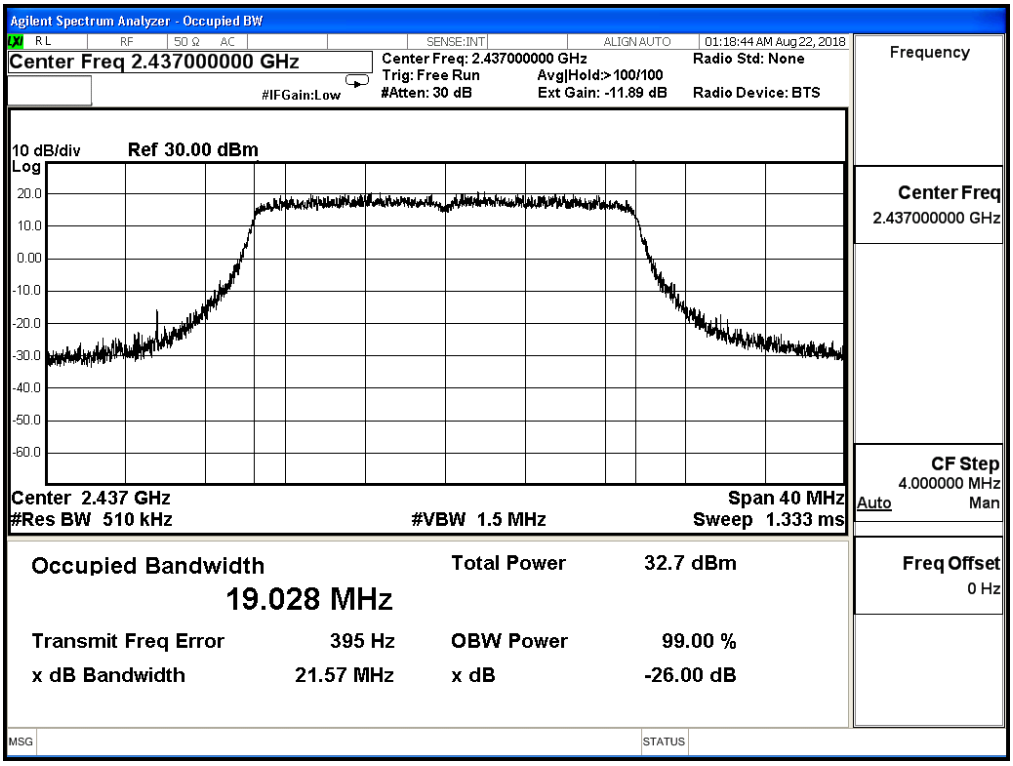
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.033	---
6	2437	19.028	---
11	2462	19.061	---

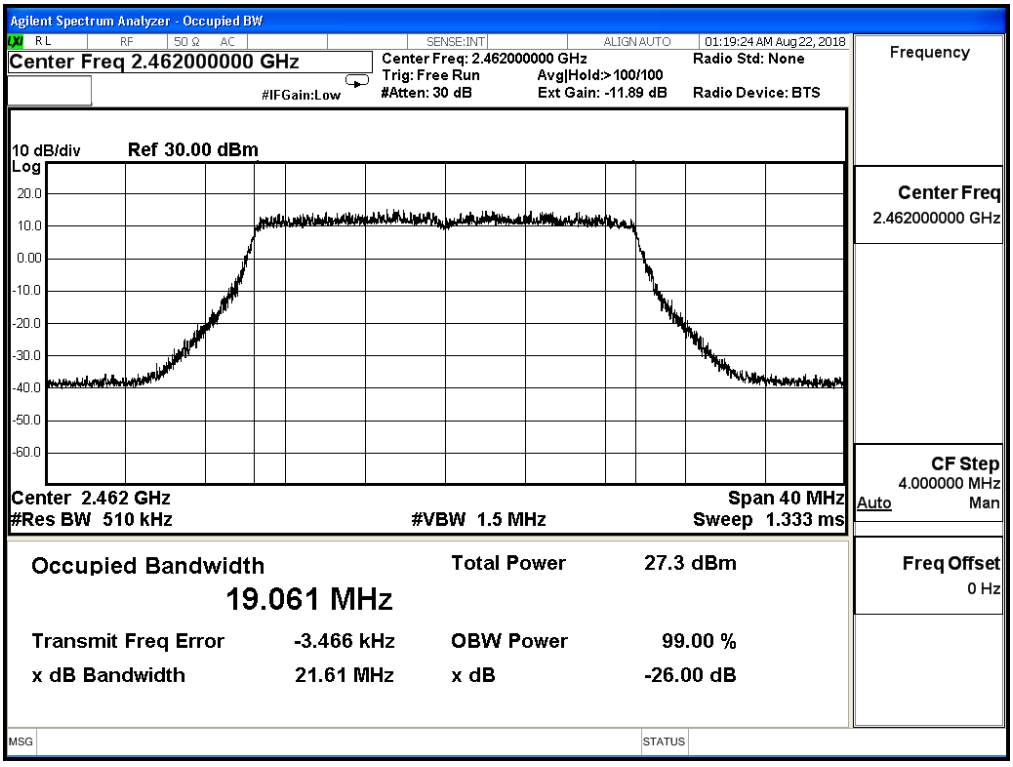
Channel 1 (2412MHz)



Channel 6 (2437MHz)



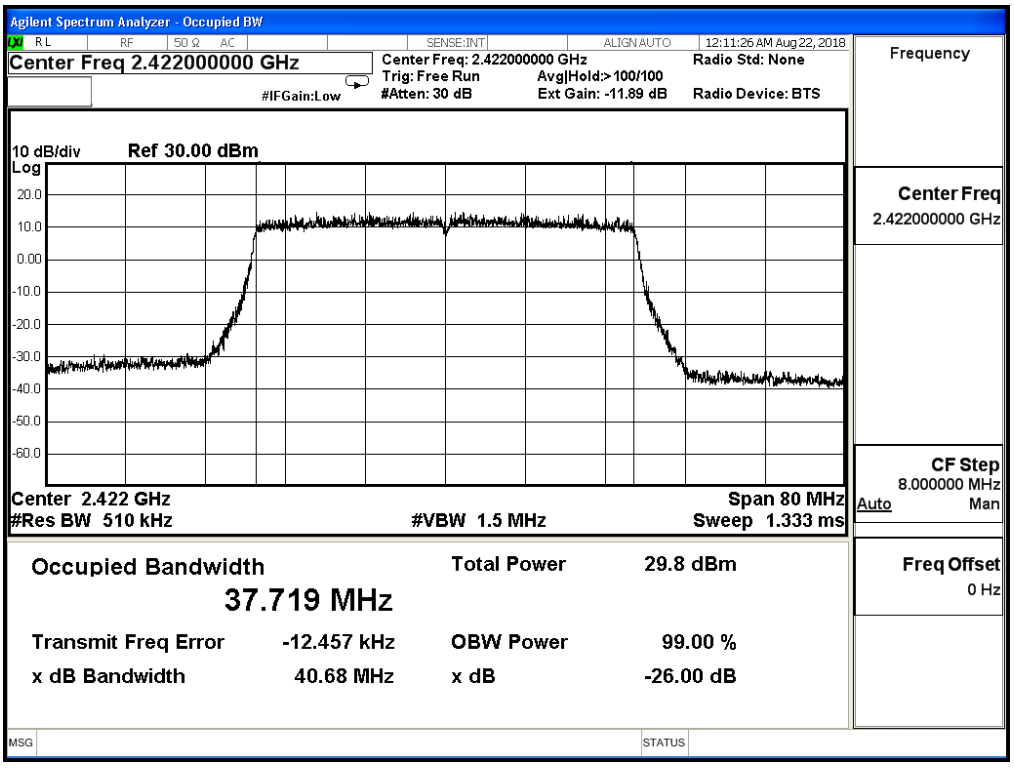
Channel 11 (2462MHz)



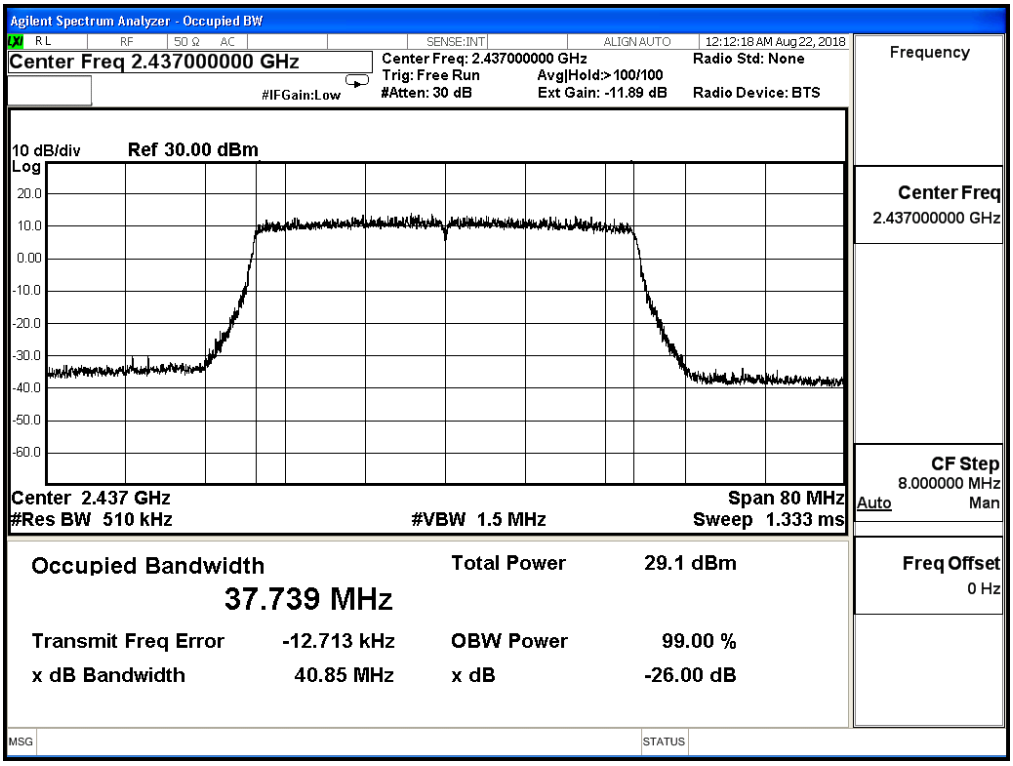
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.719	---
6	2437	37.739	---
9	2452	37.780	---

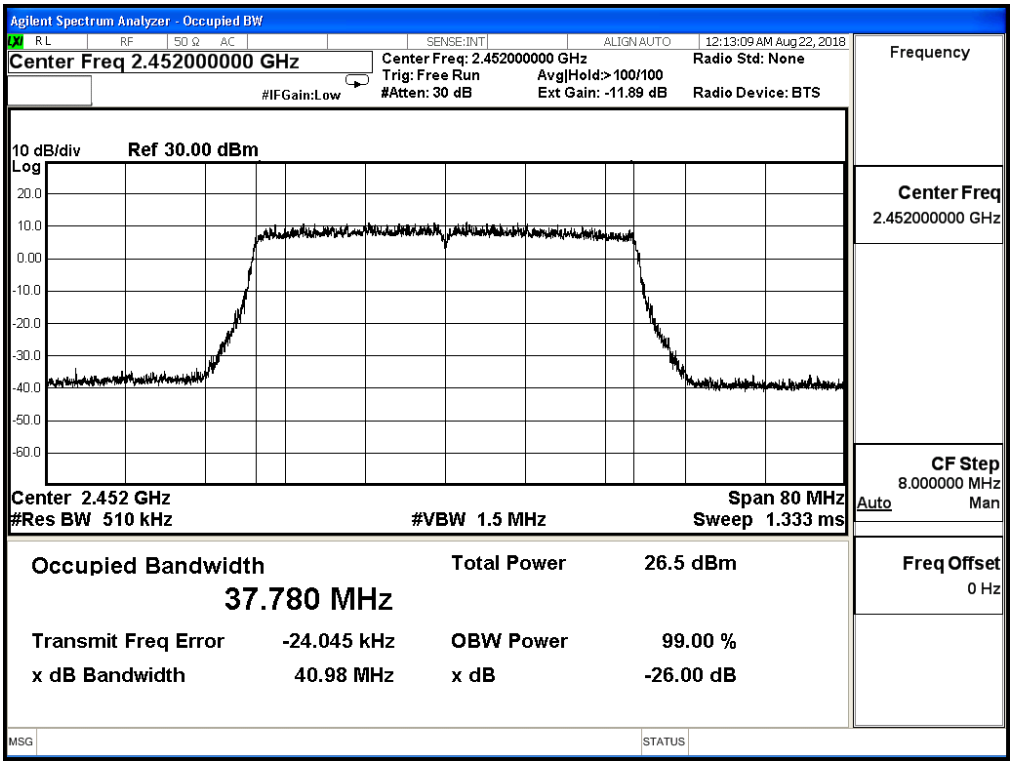
Channel 3 (2422MHz)



Channel 6 (2437MHz)



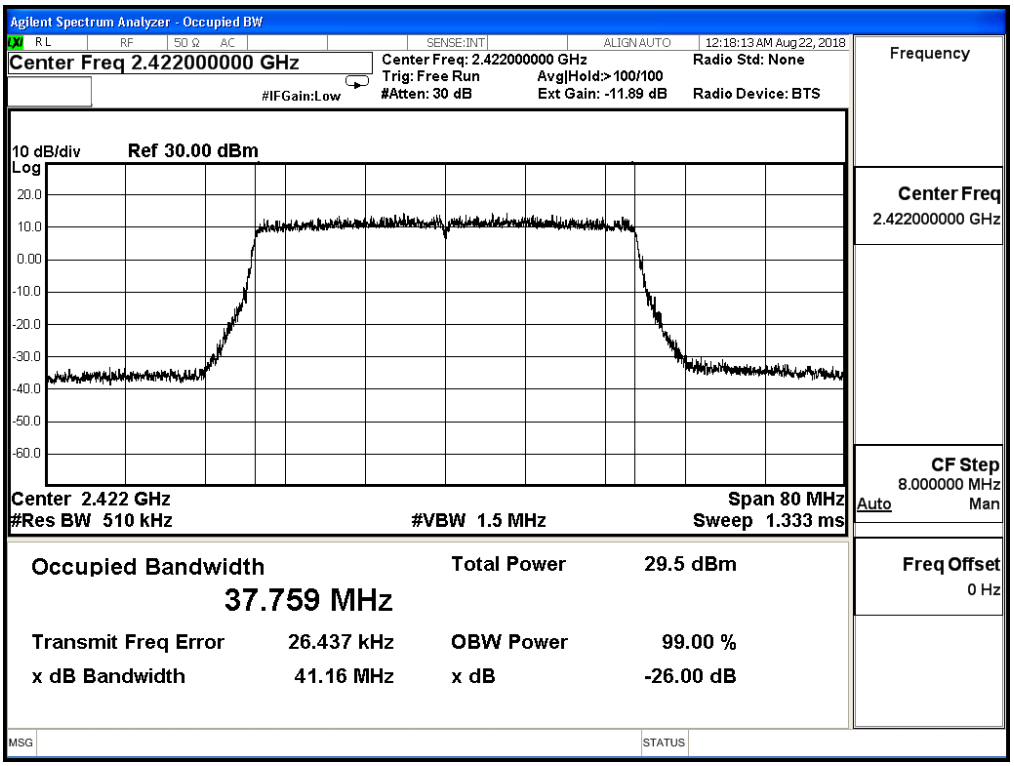
Channel 9 (2452MHz)



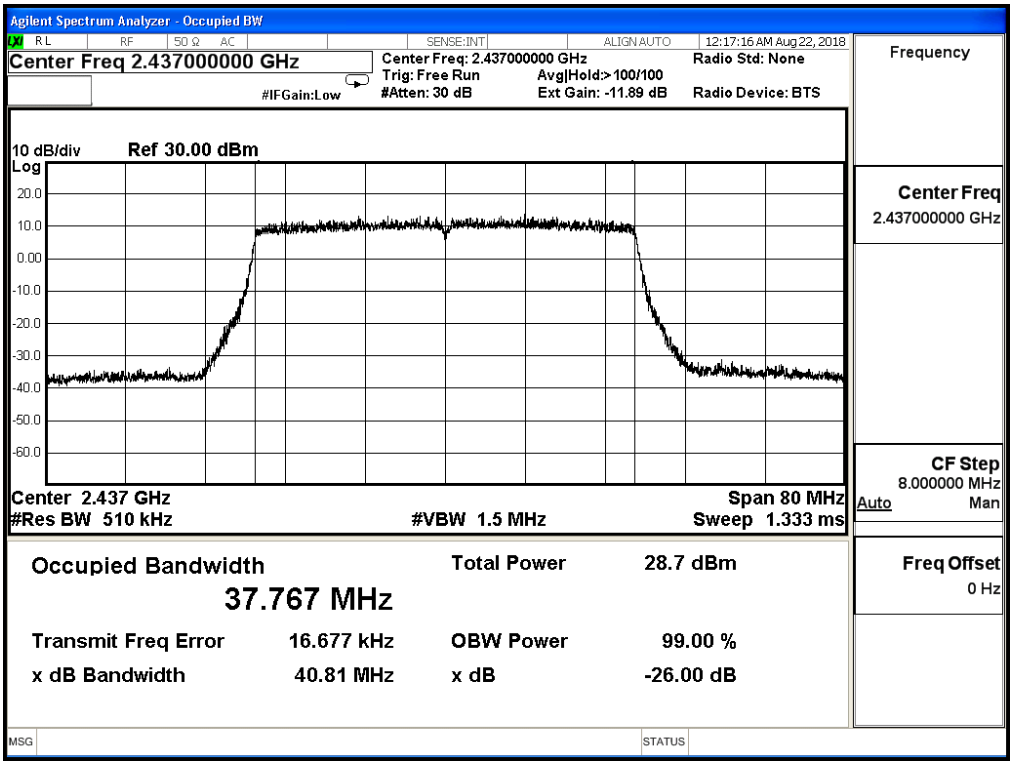
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.759	---
6	2437	37.767	---
9	2452	37.736	---

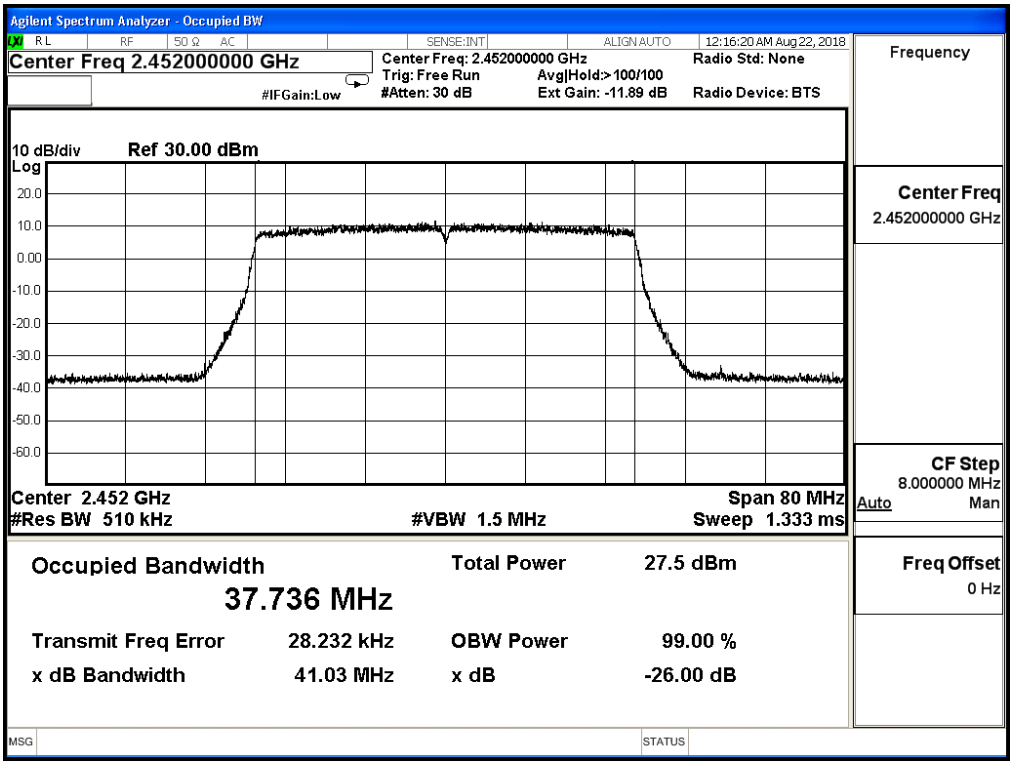
Channel 3 (2422MHz)



Channel 6 (2437MHz)



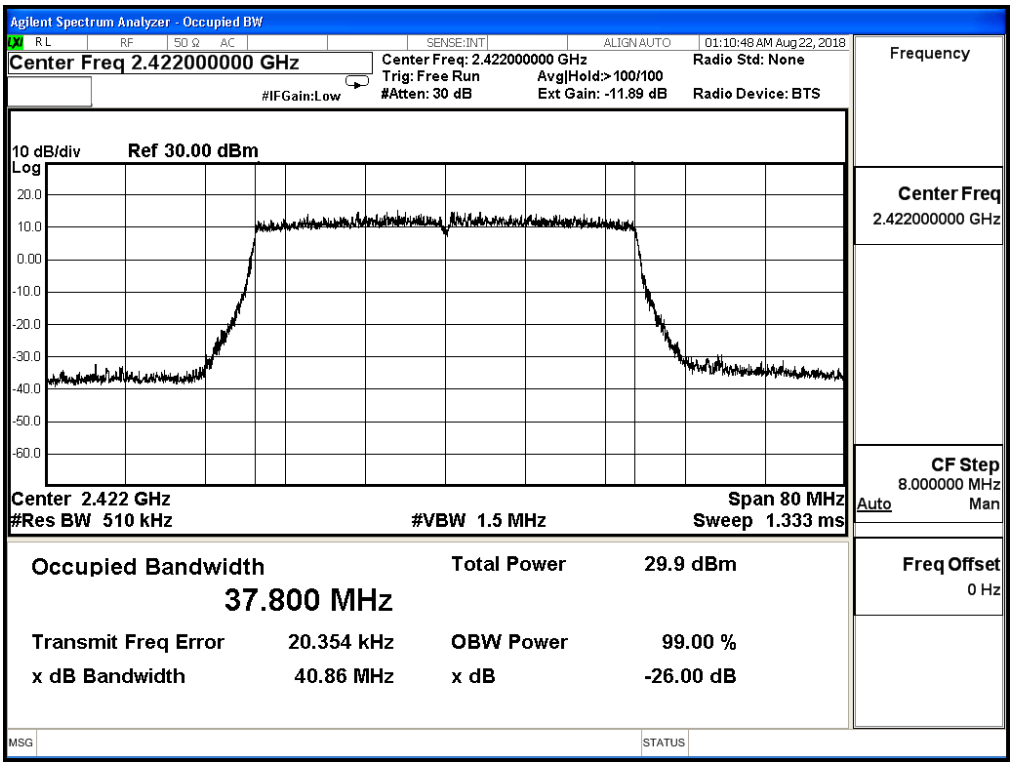
Channel 9 (2452MHz)



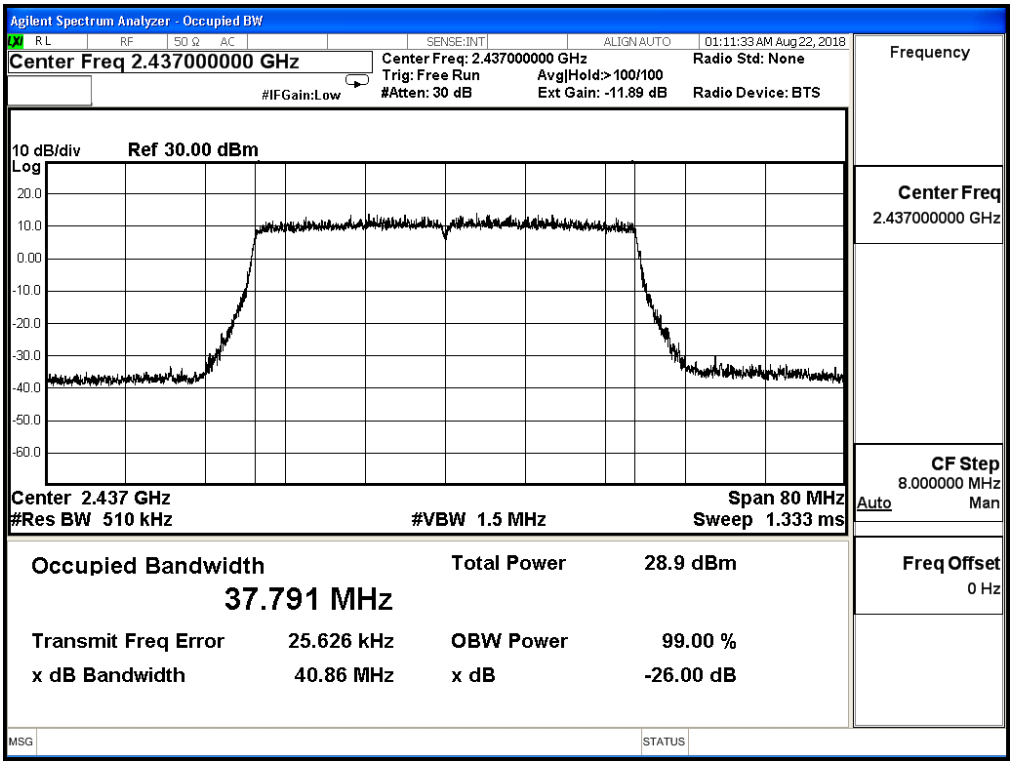
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE40M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.800	---
6	2437	37.791	---
9	2452	37.735	---

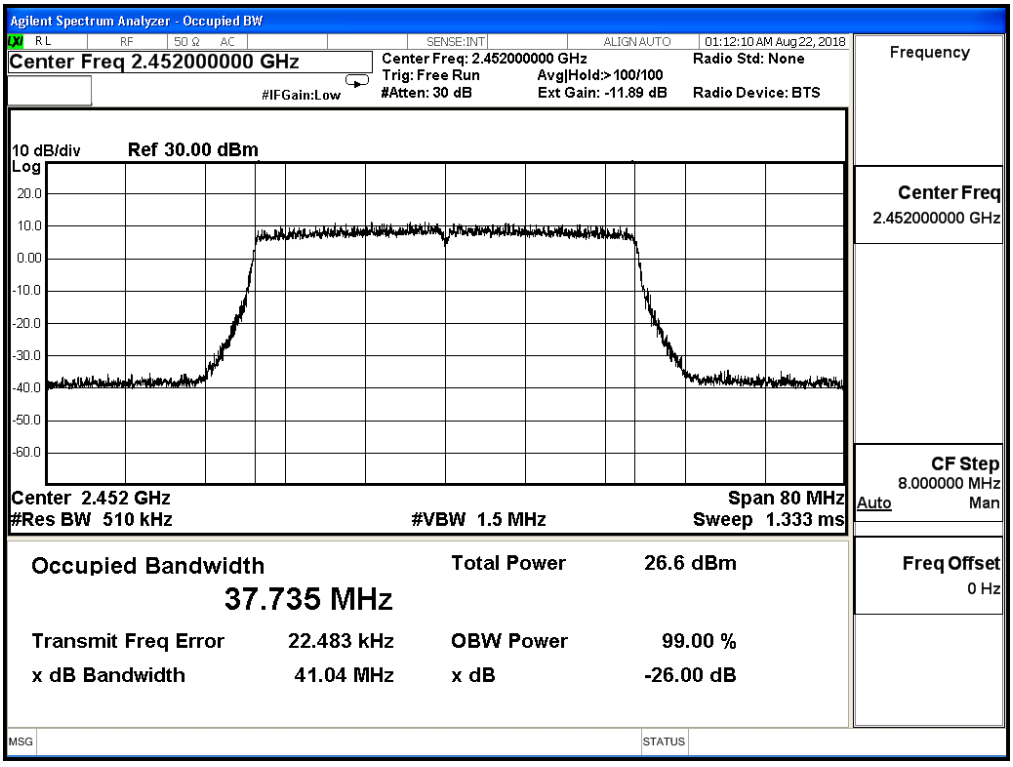
Channel 3 (2422MHz)



Channel 6 (2437MHz)



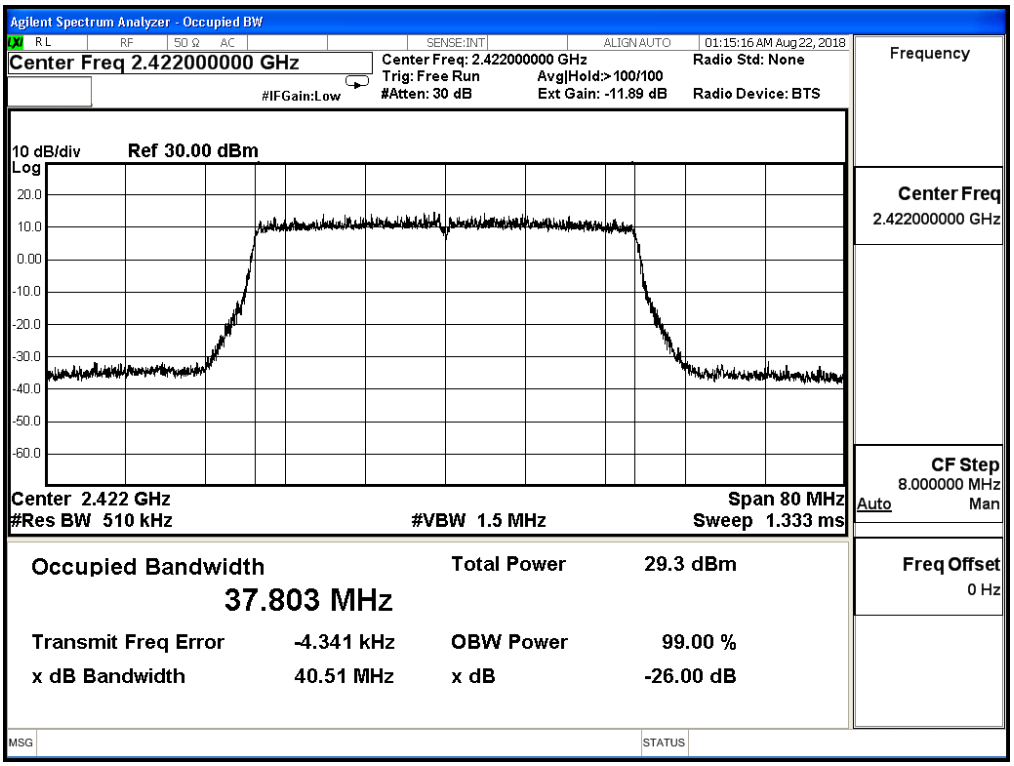
Channel 9 (2452MHz)



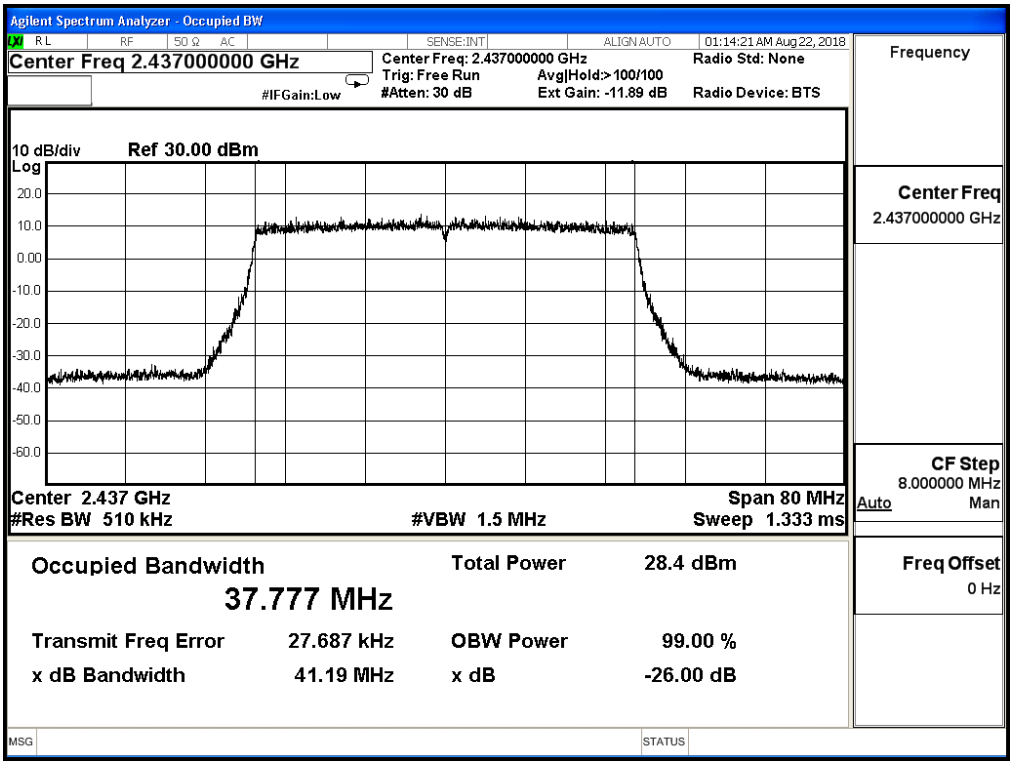
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.803	---
6	2437	37.777	---
9	2452	37.779	---

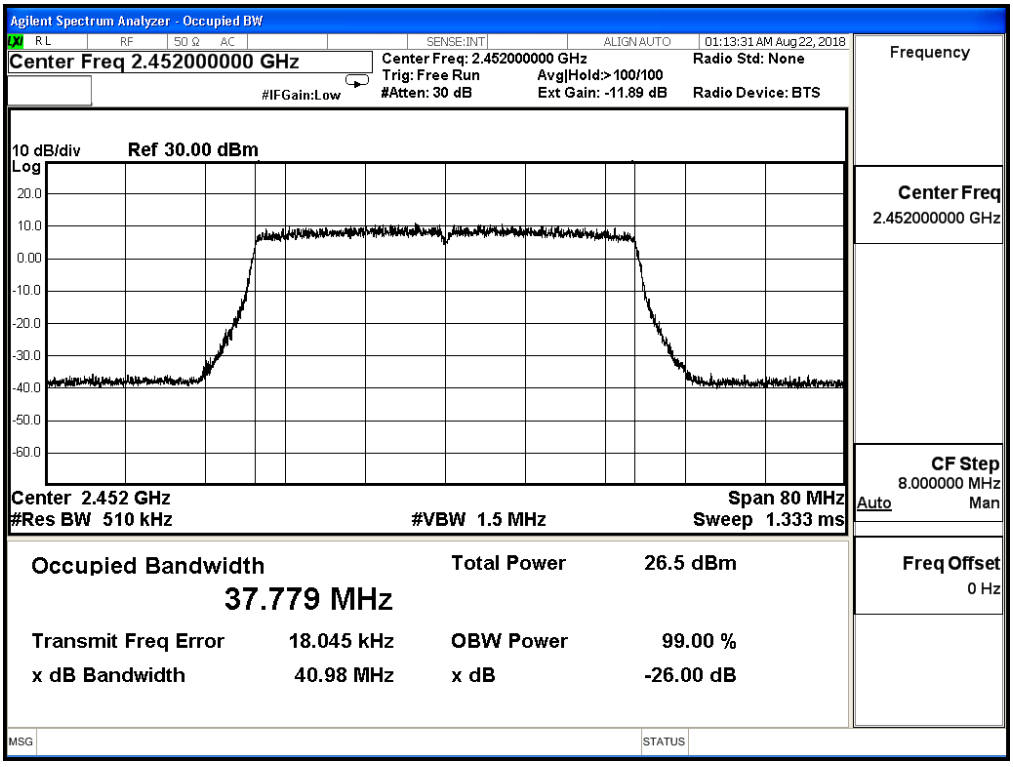
Channel 3 (2422MHz)



Channel 6 (2437MHz)

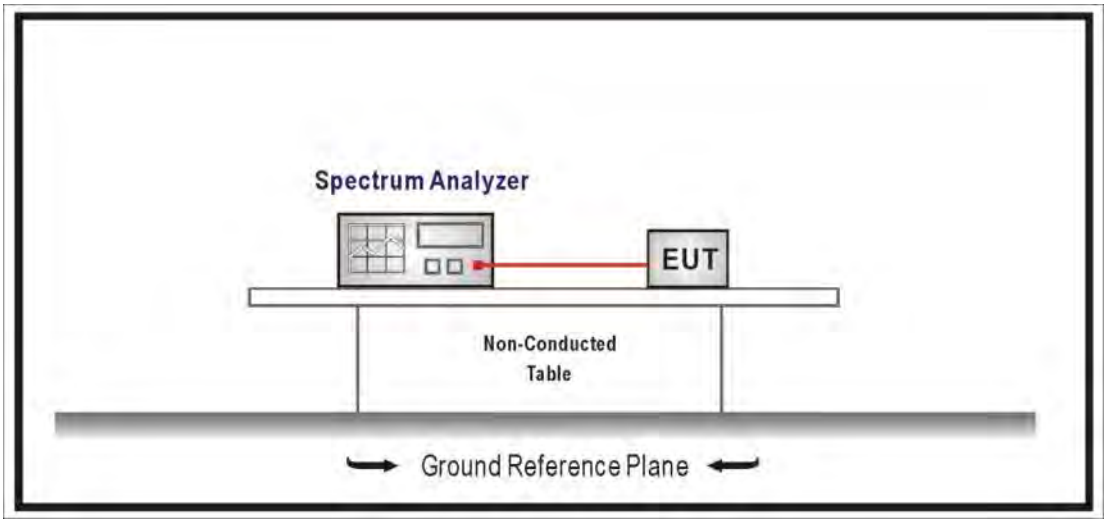


Channel 9 (2452MHz)



9. Power Density

9.1. Test Setup



9.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074 D01 V04 for compliance to FCC 47CFR 15.247 requirements.
Set 3KHz ≦RBW≦100 kHz, Set VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

9.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

9.5. Uncertainty

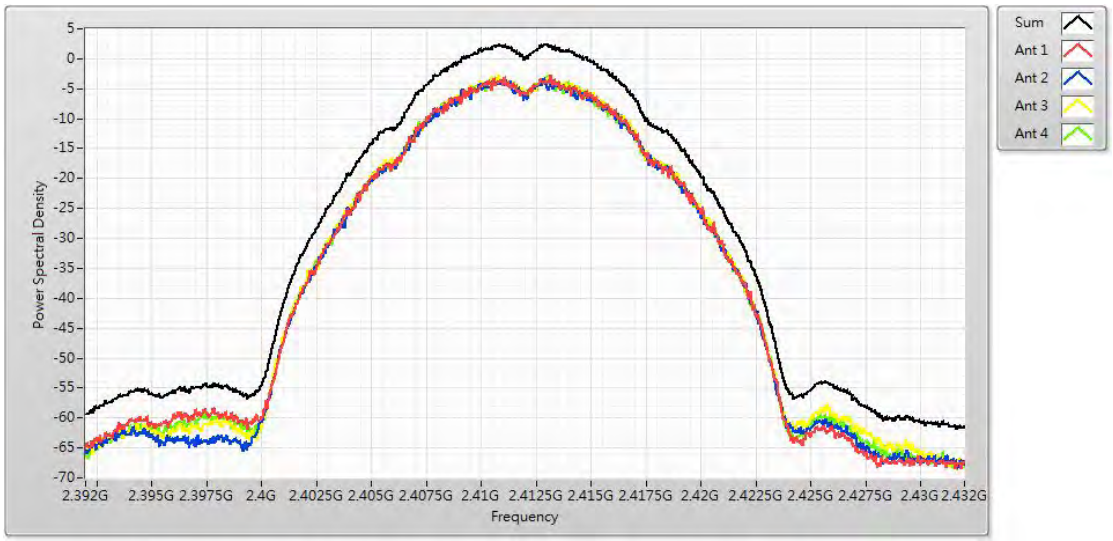
The measurement uncertainty is defined as ±1.27dB.

9.6. Test Result

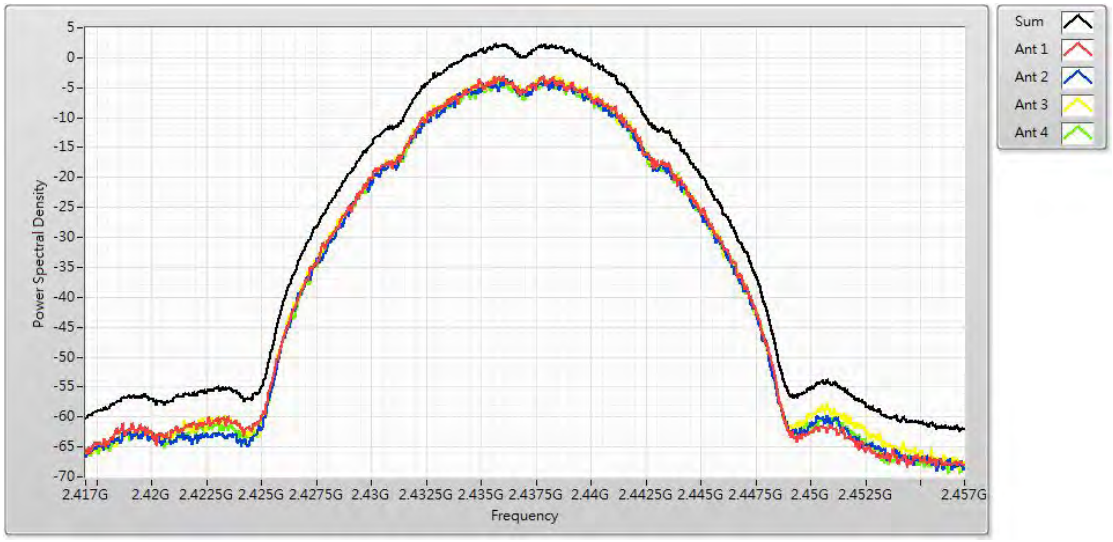
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11b (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	2.36	≦8	Pass
6	2437	2.31	≦8	Pass
11	2462	2.14	≦8	Pass

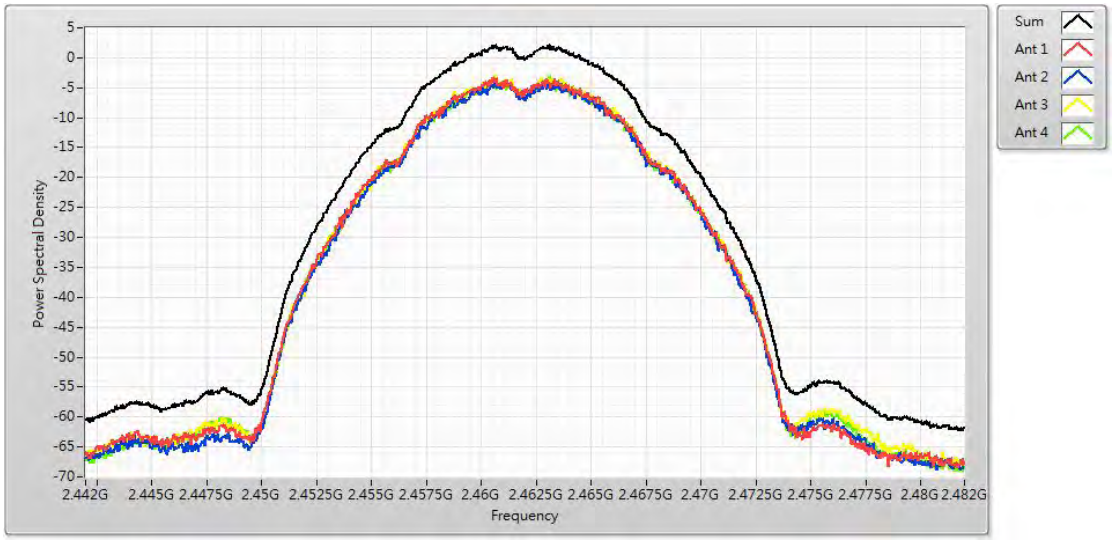
Channel 1 (2412MHz)



Channel 6 (2437MHz)



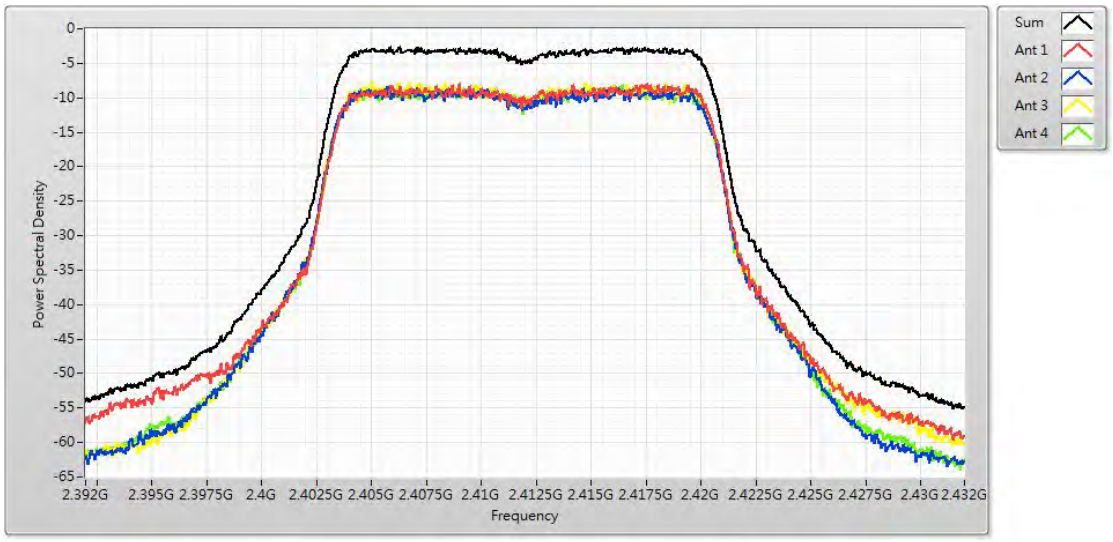
Channel 11 (2462MHz)



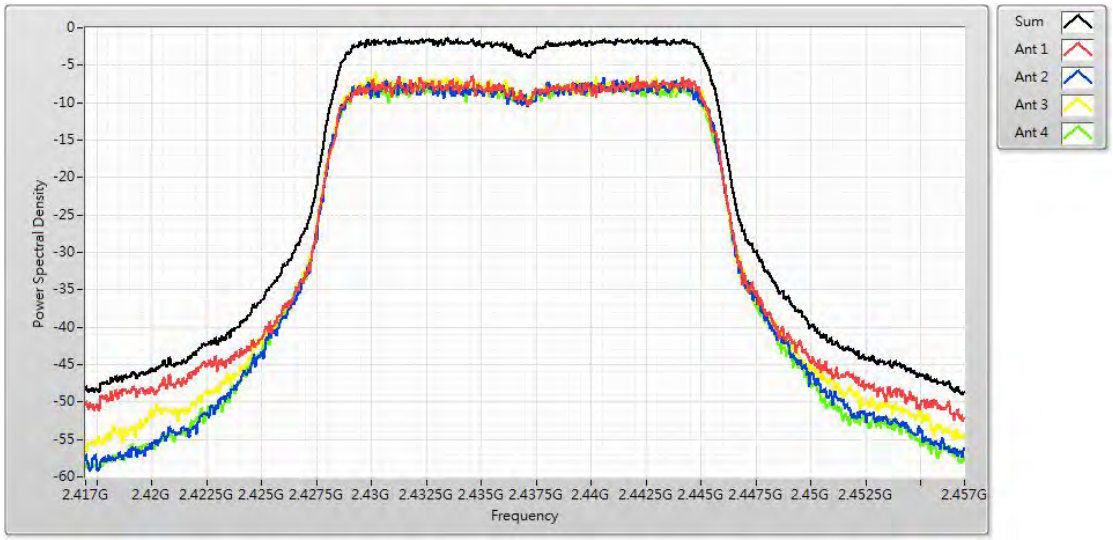
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11g (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-2.62	≦8	Pass
6	2437	-1.34	≦8	Pass
11	2462	-4.75	≦8	Pass

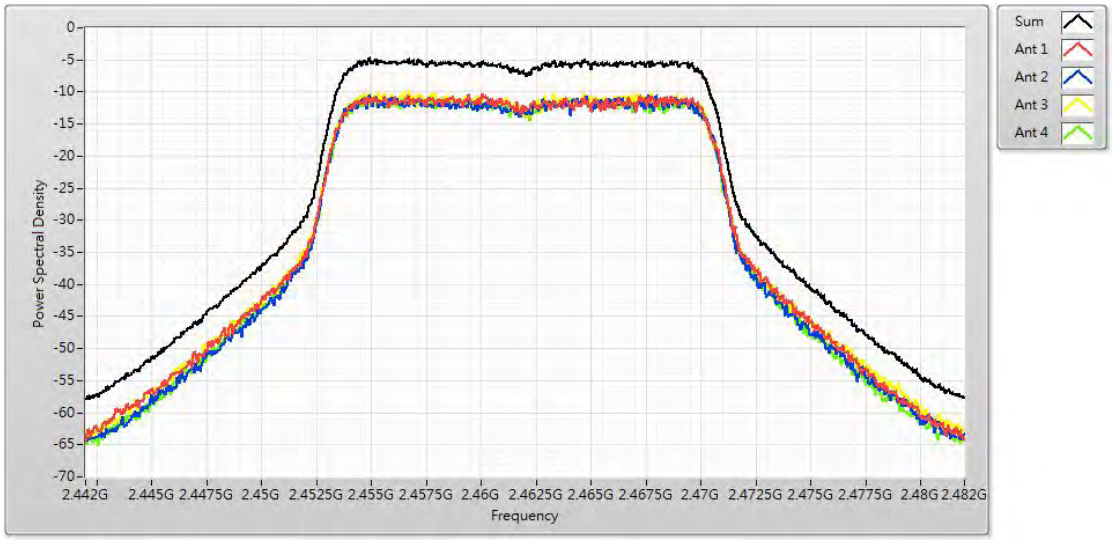
Channel 1 (2412MHz)



Channel 6 (2437MHz)



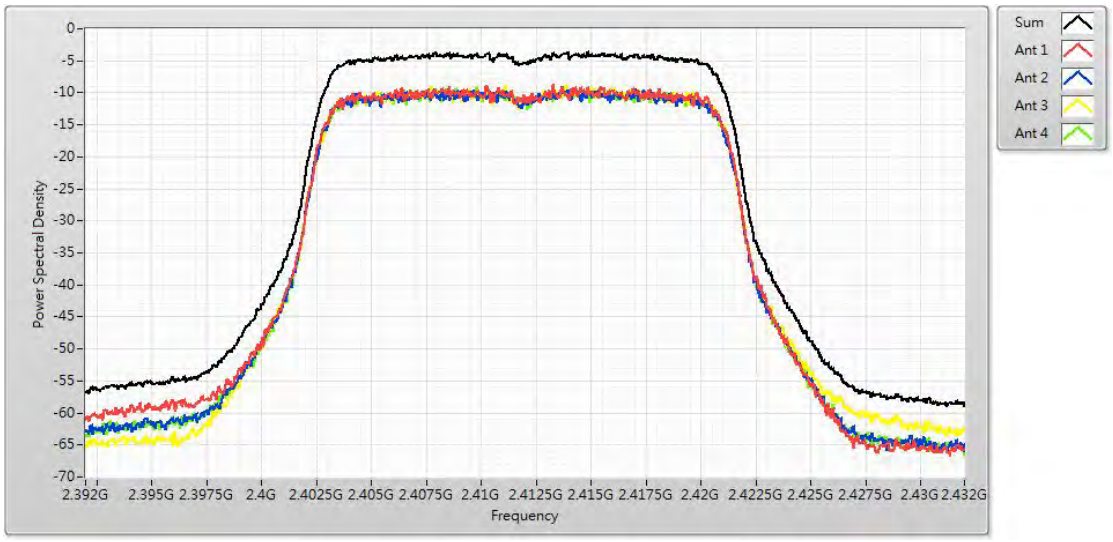
Channel 11 (2462MHz)



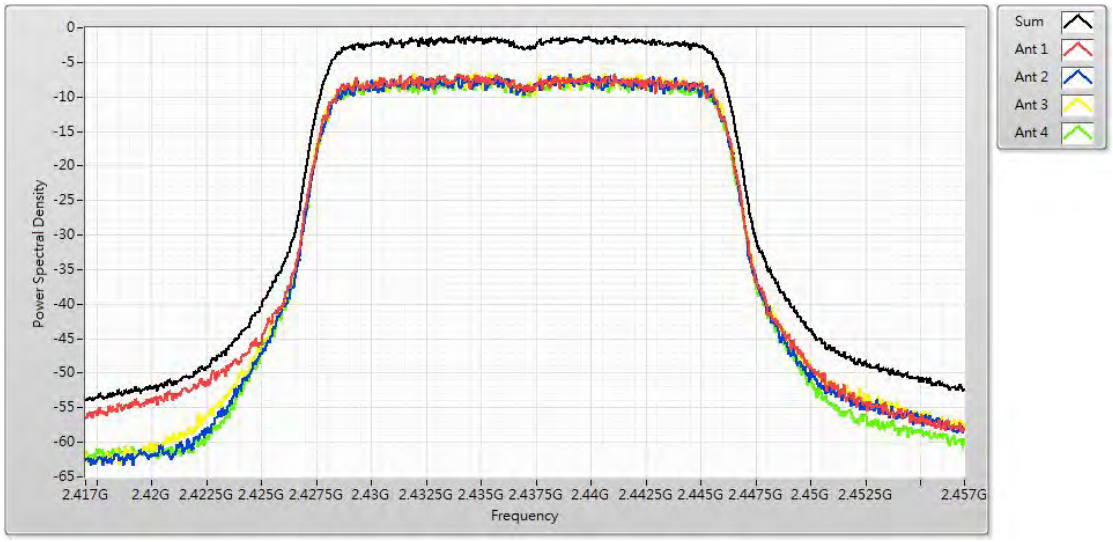
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ ADP-45BW B		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 20M (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-3.67	≦8	Pass
6	2437	-1.19	≦8	Pass
11	2462	-4.80	≦8	Pass

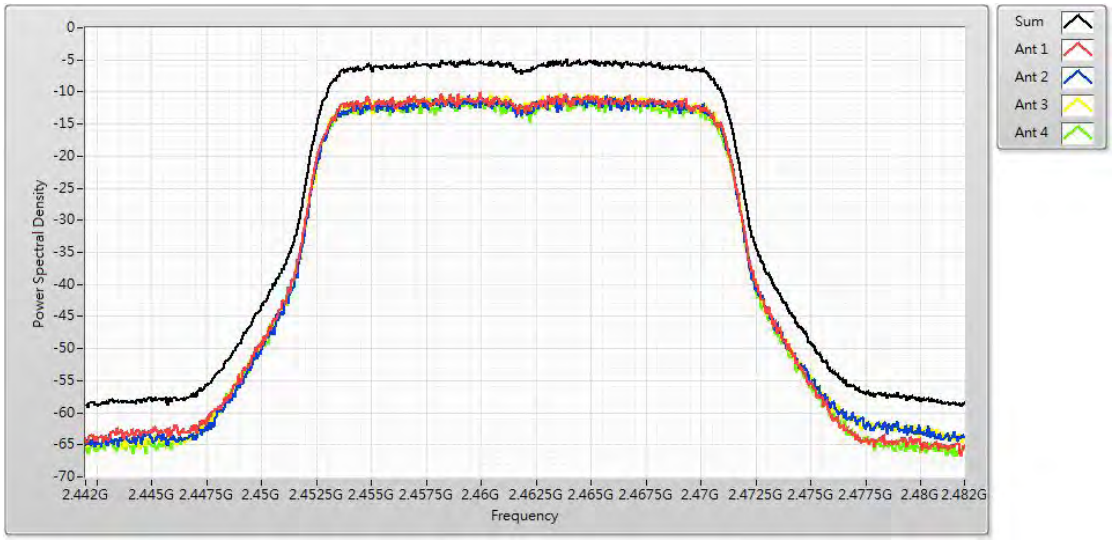
Channel 1 (2412MHz)



Channel 6 (2437MHz)



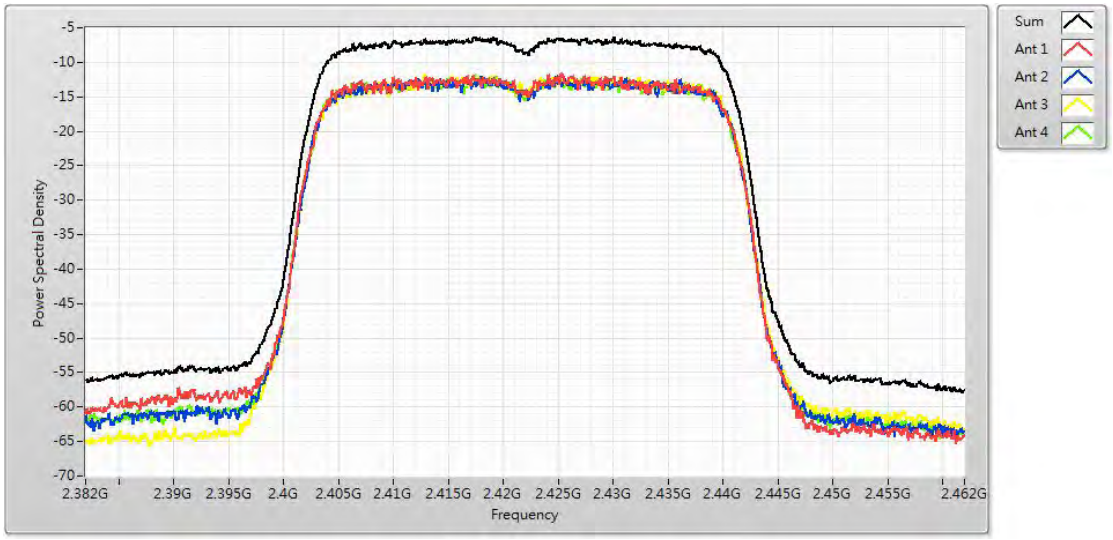
Channel 11 (2462MHz)



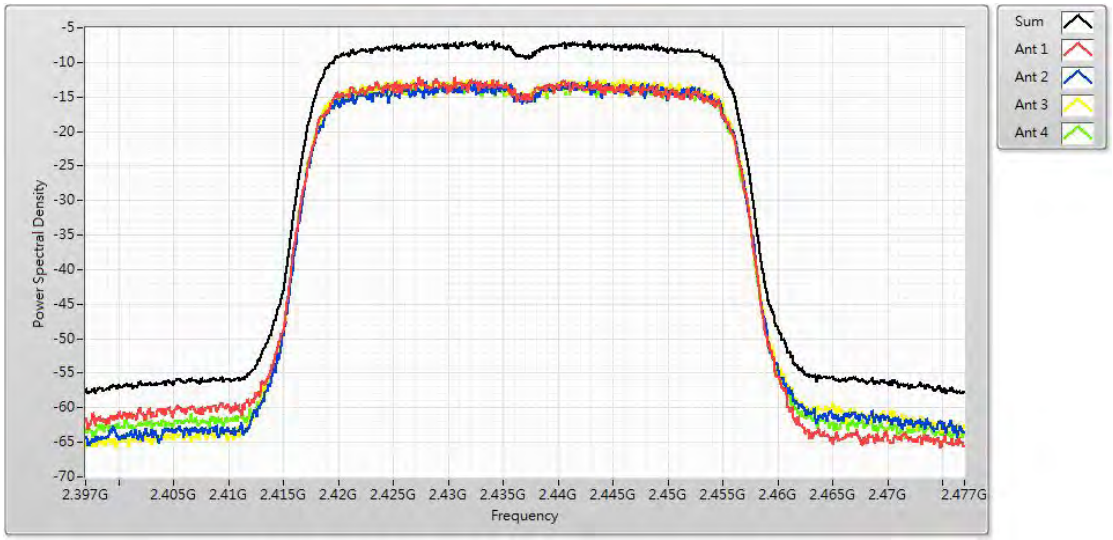
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ac VHT 40M (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-6.38	≦8	Pass
6	2437	-6.86	≦8	Pass
9	2452	-9.98	≦8	Pass

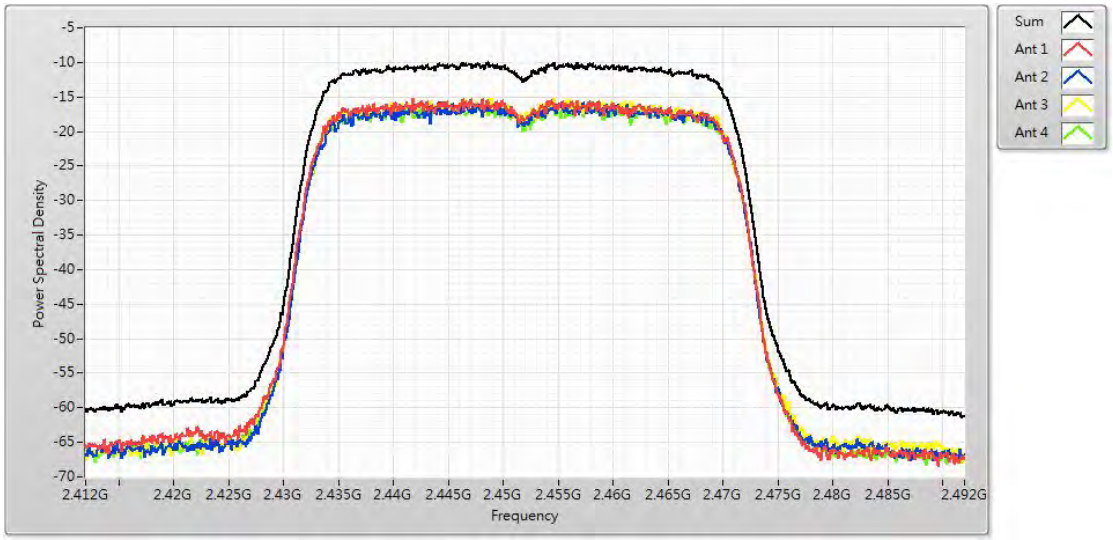
Channel 3 (2422MHz)



Channel 6 (2437MHz)



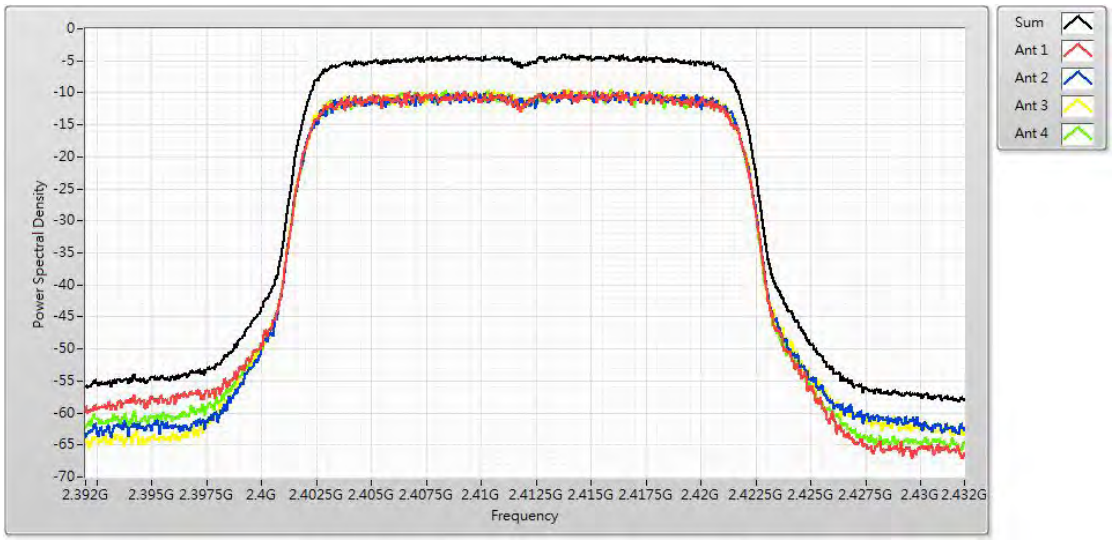
Channel 9 (2452MHz)



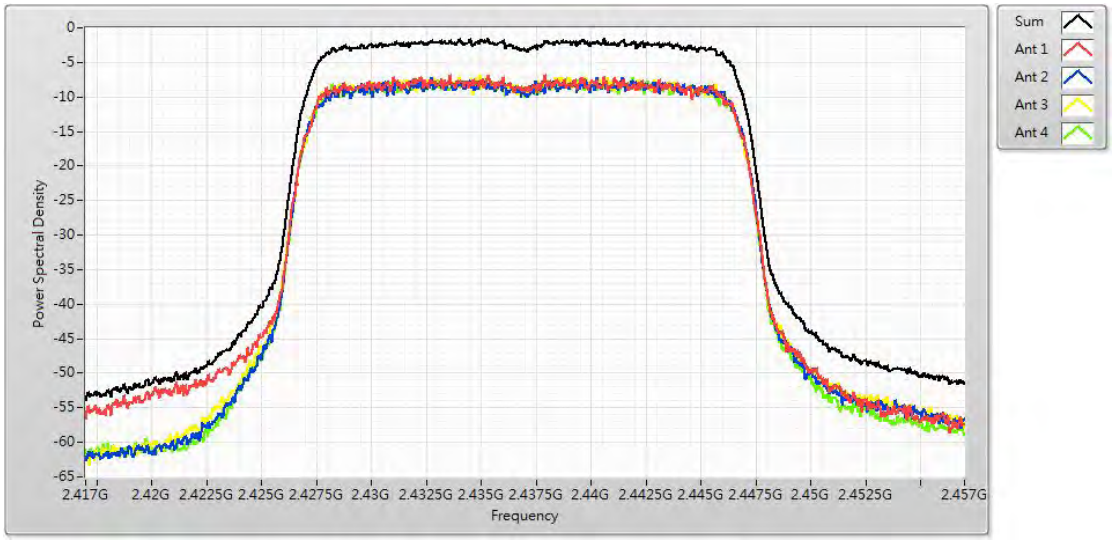
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 20M (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-4.04	≦8	Pass
6	2437	-1.52	≦8	Pass
11	2462	-6.15	≦8	Pass

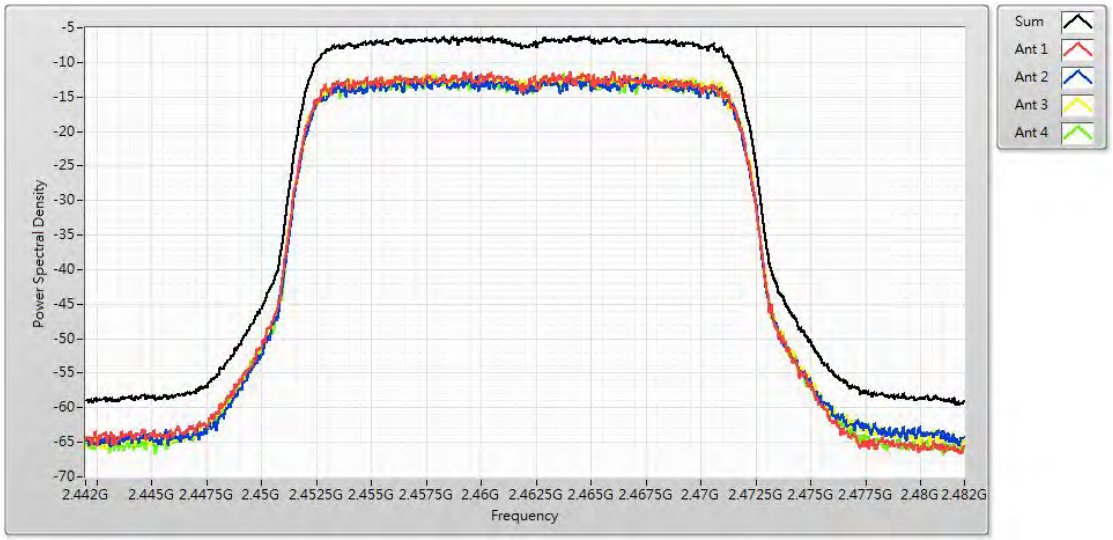
Channel 1 (2412MHz)



Channel 6 (2437MHz)



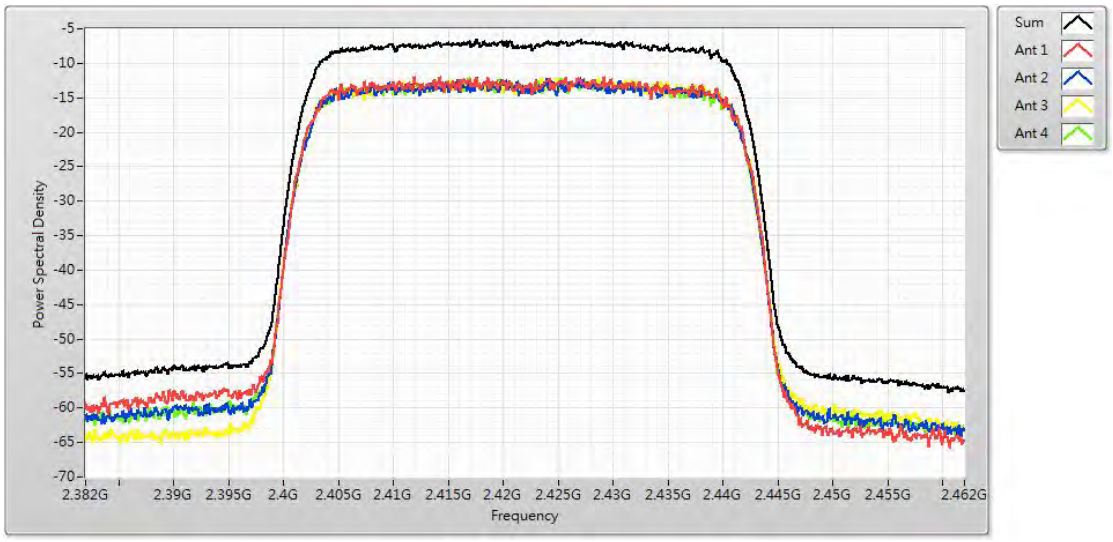
Channel 11 (2462MHz)



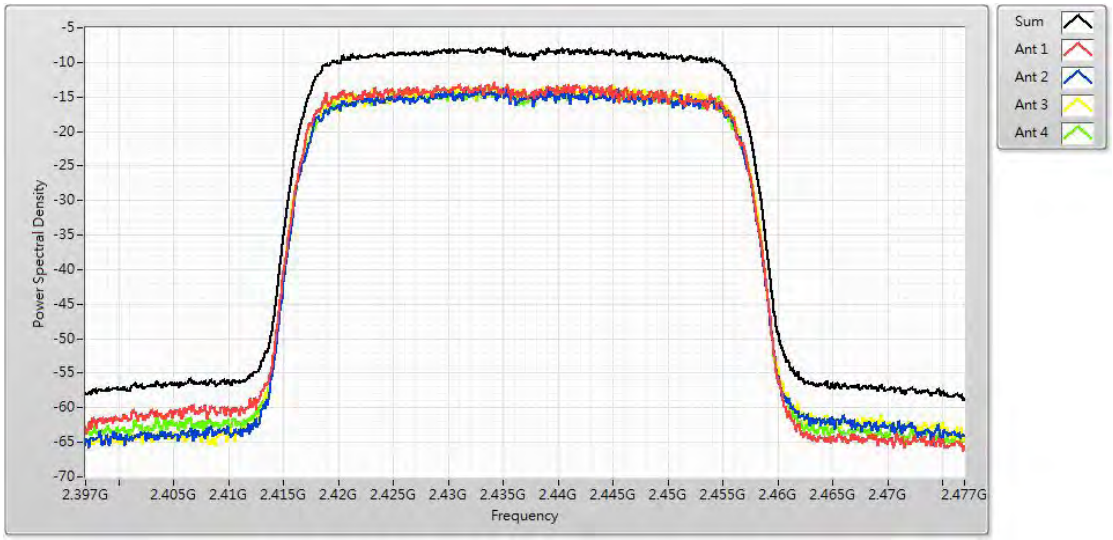
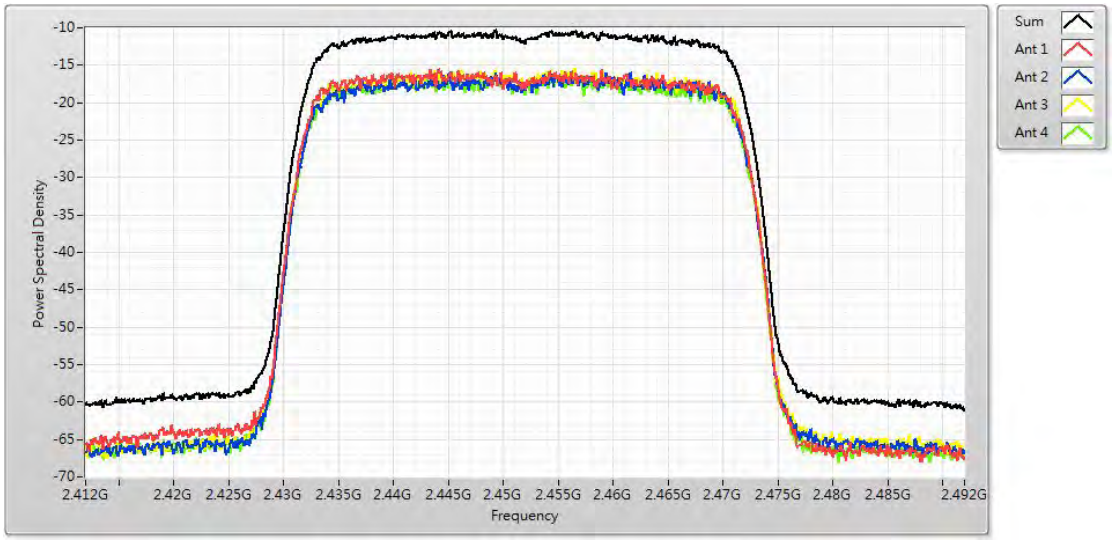
Product	ROG Rapture GT-AX6000 Dual-band Gaming Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_CDD_ADP-65DW Y		
Date of Test	2018/08/22	Test Site	SR10-H

IEEE 802.11ax HE 40M (ANT 0+1+2+3)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-6.53	≦8	Pass
6	2437	-7.85	≦8	Pass
9	2452	-10.28	≦8	Pass

Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)